


# EXHIBIT 13

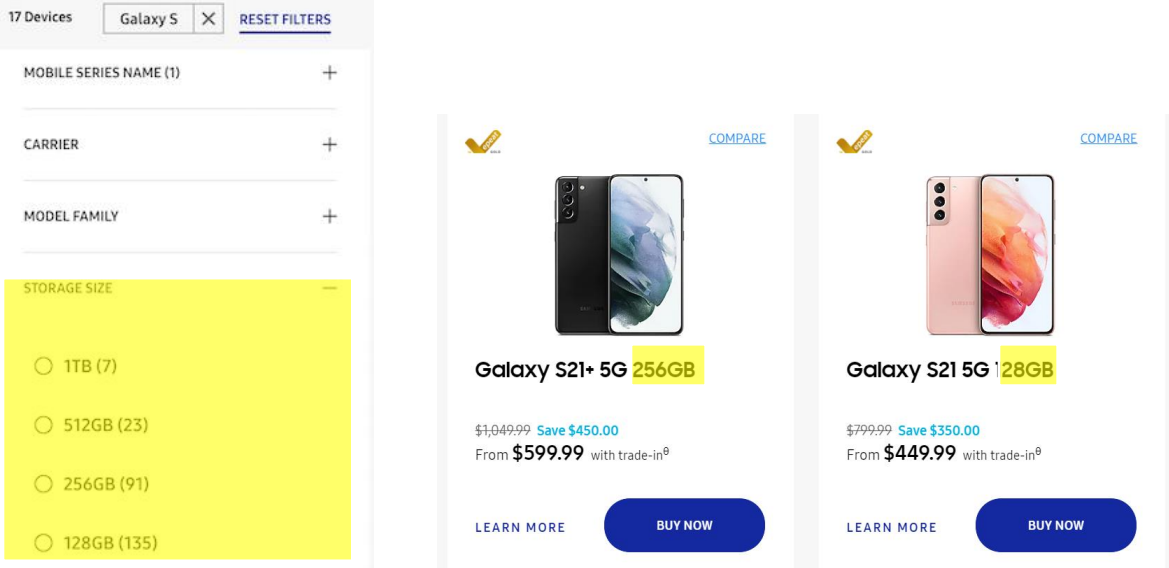
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>1. A client device, the client device comprising:</p>	<p>DoDots currently does not take a position as to whether the preamble of claim 1 is limiting. Notwithstanding this position, Best Buy sells, offers for sale, and markets a a client computing device comprising, electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor.</p> <p>Specifically, the client computing devices includes, but are not limited to the Samsung Galaxy Z Series Mobile Phones, Galaxy S Series Mobile Phones, Galaxy Note Series Mobile Phones, Galaxy A Series Mobile Phones, Galaxy M Series Mobile phones, and Galaxy Tab Series Tablets (collectively, "Accused Samsung Devices").</p>  <p>Source: CNET: "Here's every Galaxy S phone since 2010" accessed at <a href="https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/">https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/</a></p> <p>Additionally, with each device, Samsung launched and continues to operate, use, and sell an operating system customized from the Android OS (e.g. Android OS12, OS 11, QOS 10, Pie (9.0),Oreo (8.0), Nougat (7.0), Marshmallow (6.0), Lollipop (5.0), KitKat (4.4), Jellybean (4.3, 4.2 and 4.1), Ice Cream Sandwich (4.0), Honeycomb (3.0), Gingerbread (2.3), Froyo (2.2), Éclair</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>(2.1), Donut (1.6) (collectively, “the Samsung OS”) along with other software (e.g., installers, the Play Store app, and the Galaxy App Store app) that are pre-installed or updated on each Accused Samsung Device (the “Accused Samsung Software”). Samsung programmed, customized, preinstalled, and developed the Accused Samsung Software specifically for its Accused Samsung Devices and is directly responsible for, and has direct control over the use of the Samsung OS along with other software.</p> <p>In summary, the Accused Samsung Devices and Samsung OS along with other software (collectively, the “Accused Instrumentalities”) constitute the <b>client computing device</b></p>
<p>electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor, wherein the first networked</p>	<p>The Accused Instrumentalities have electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor.</p> <p>Specifically, the <b>electronic storage</b> of the Accused Samsung Devices includes the flash memory, which can be seen on Samsung’s website, which promotes the storage size of the Accused Samsung Devices, e.g., 128GB, highlight below:</p>

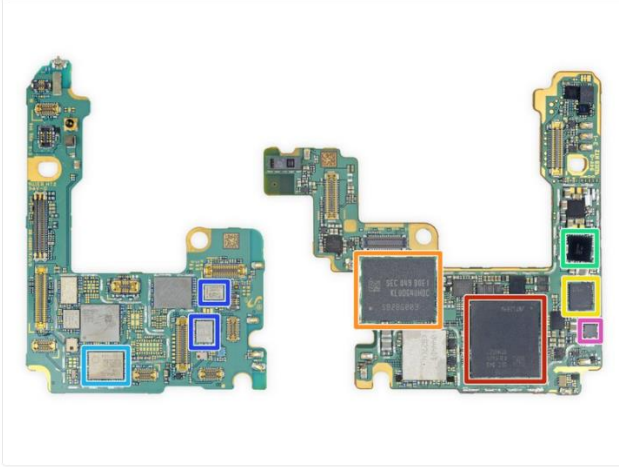
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>information monitor template comprises:</p>	 <p>The screenshot displays the Samsung website's mobile phone selection interface. On the left, a filter sidebar shows '17 Devices' and a 'Galaxy S' filter. Below this, there are expandable sections for 'MOBILE SERIES NAME (1)', 'CARRIER', and 'MODEL FAMILY'. The 'STORAGE SIZE' section is highlighted in yellow and lists four options: 1TB (7), 512GB (23), 256GB (91), and 128GB (135). To the right, two phone models are featured: the Galaxy S21+ 5G 256GB and the Galaxy S21 5G 28GB. Each model shows its price, a 'Save' amount, and a 'BUY NOW' button. The source URL is provided below the images.</p> <p>Source: <a href="https://www.samsung.com/us/mobile/phones/galaxy-s/">https://www.samsung.com/us/mobile/phones/galaxy-s/</a>.</p> <p>Additionally, by looking into the settings of the Accused Instrumentalities and tapping on Battery and Device Care; then tapping on 'Storage' the electronic storage summary is displayed as shown in the image below left. Tapping on the 'Apps' button displays the storage used for each NIM template. This image shows a plurality of networked information monitor templates.</p>

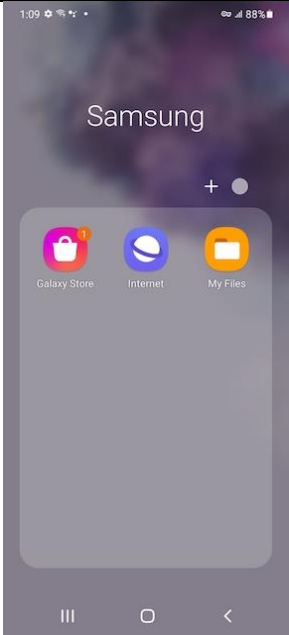
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<div data-bbox="583 245 1381 1089"> <p>The left screenshot shows the 'Storage' settings page. It indicates that 23% of the 30.38 GB internal storage is used, which amounts to 7.35 GB. A breakdown of storage usage is provided: Images (6.08 MB), Videos (0 MB), Audio (4.86 MB), Documents (0 MB), Installation files (81.16 MB), Compressed files (0 B), Apps (7.35 GB), System (20.43 GB), Other (2.50 GB), and Trash (3.44 MB). The right screenshot shows the 'Apps' list, listing various installed applications with their sizes: Facebook (273 MB), YouTube (268 MB), AR Emoji Editor (259 MB), Maps (254 MB), The Weather Channel for Sam.. (192 MB), Samsung Keyboard (190 MB), OneDrive (186 MB), Google Play Store (172 MB), Galaxy Store (168 MB), and Google Text-to-speech Engine.</p> </div> <p>Additionally, Like the Samsung Galaxy S21, each of the other Accused Samsung Devices have flash memory that is electronic storage. Additionally, such electronic storage is shown, for</p>

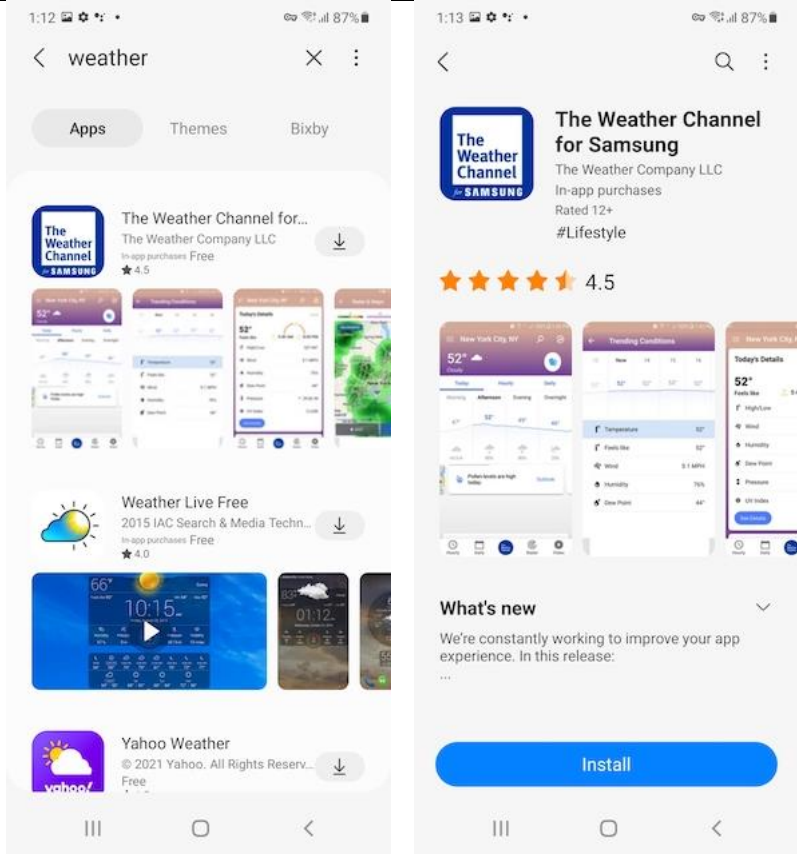
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>example, by the following breakdown of the Samsung Galaxy S21 that shows flash storage:</p>  <ul style="list-style-type: none"> <li>Do these boards look like howling dogs? Anyways, let's check out what makes this phone tick:</li> <li>Qualcomm Snapdragon <b>888</b> layered beneath Samsung K3LK4K40CM-BGCP 12 GB LPDDR5 RAM</li> <li>Samsung flash storage <b>KLUDG4UHDC-B0E1</b> 128 GB</li> <li>Qualcomm SMR526 5G modulator</li> <li>Maxim MAX77705C power management IC</li> <li>Qualcomm QPM5825 power management IC</li> <li>Qualcomm QDM5872 and QDM4820 Front-End Module</li> <li>Cirrus Logic CS35L40 audio amplifier IC</li> </ul> <p>Source: <a href="https://www.ifixit.com/Teardown/Samsung+Galaxy+S21+Ultra+Teardown">https://www.ifixit.com/Teardown/Samsung+Galaxy+S21+Ultra+Teardown</a> /141188</p> <p>And the electronic storage is <b>configured to store networked information monitor template associated with a networked information monitor</b> because it is able to store files after downloading various applications. For example, Samsung configured the Accused Samsung Devices to download apps through the Galaxy Store (seen in the screen shot below), which comes pre-installed on Samsung phones.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<div data-bbox="1108 240 1394 870">A screenshot of a Samsung smartphone home screen. The status bar at the top shows the time 1:09, signal strength, Wi-Fi, and 88% battery. The background is a dark, abstract image. The word "Samsung" is centered at the top. Below it is a dock with three app icons: Galaxy Store (a red shopping bag), Internet (a blue globe), and My Files (an orange folder). The bottom of the screen shows the Android navigation bar with three icons: a square, a circle, and a triangle.</div> <p data-bbox="583 919 1917 1037">In the Galaxy Store app, a search for “weather” displays various weather apps. Scrolling down and the “Weather Channel for Samsung” app is visible, image below left, which can be clicked on for more details, below right. This provides an ‘Install’ button as seen below right.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<div data-bbox="581 240 1373 1089">  <p>1:12 weather X ⋮</p> <p>Apps Themes Bixby</p> <p><b>The Weather Channel for Samsung</b> The Weather Company LLC In-app purchases Free ★ 4.5</p> <p>Weather Live Free 2015 IAC Search &amp; Media Techn... In-app purchases Free ★ 4.0</p> <p>Yahoo Weather © 2021 Yahoo. All Rights Reserv... Free</p> <p>1:13 The Weather Channel for Samsung The Weather Company LLC In-app purchases Rated 12+ #Lifestyle ★ 4.5</p> <p>What's new We're constantly working to improve your app experience. In this release: ...</p> <p>Install</p> </div> <p>In this example, the “Weather Channel for Samsung” app is downloaded as an APK file. The APK files for the Samsung-Supported Apps includes <b>definition of a viewer graphical user interface having a frame</b>. In particular, the data structures define a viewer graphical user interface (e.g., a user interface presented on the screen) that may include menus, buttons, and other features.</p>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
<p>(1) a content reference that comprises a network location at which content for the first networked information monitor is accessible via a TCP/IP protocol;</p>	<p>Accused Instrumentalities employs and provides for a networked information monitor template that includes a content reference that comprises a network location at which content for the first networked information monitor is accessible via a TCP/IP protocol.</p> <p>In the example below, the Accused Samsung Devices transmit, over a TCP/IP network to a web server at a network location, a content request for content that can be displayed within the frame of the viewer graphical user interface defined by the networked information monitor template.</p> <ul style="list-style-type: none"> <li>• <a href="http://fennetic.net/irc/finney.org/~hal/home.html">fennetic.net/irc/finney.org/~hal/home.html</a></li> </ul> <p>Running the NIM/App on the Samsung device displays the content as shown below.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083



US 8,020,083	Accused Instrumentalities
	<div><p>7:43 95%</p><p>Samsung Test App</p><p>Hal Finney Home Page</p><p></p><p><b>Bio</b></p><p>Born May 4, 1956. BS Engineering 1979, Calif.</p><p><b>PGP</b></p><p>I was one of the original programmers on PGI the program.</p><p>Today, I work for <a href="#">PGP Corporation</a>, developin</p><p><b>RPOW</b></p><p>I recently created the <a href="#">RPOW.NET</a> server for ac for more information on the concepts behind</p><p><b>SSL Challenge</b></p><p>NEXT</p></div> <p>Monitoring the network traffic during the load of this content reveals that a network request was initiated over TCP/IP and content was received as shown in the image below of the ‘Network Inspector’ analysis tool which is part of the Android Studio development suite.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

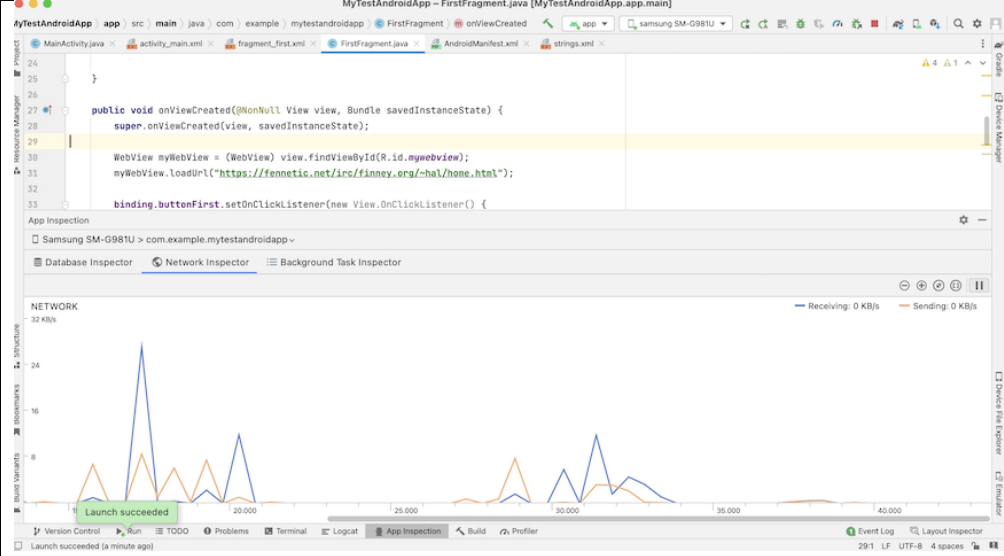
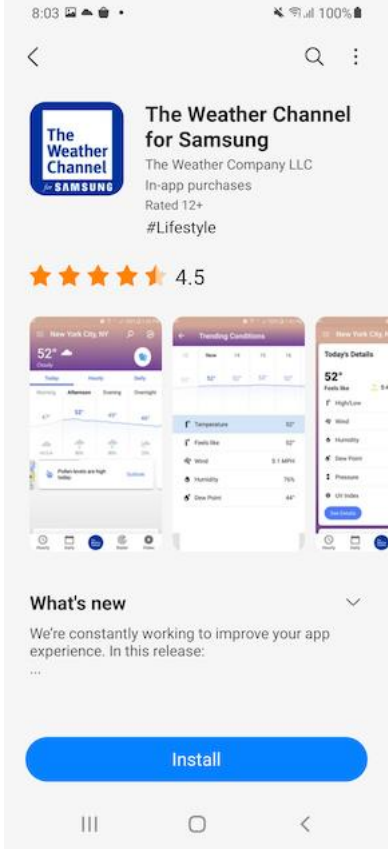
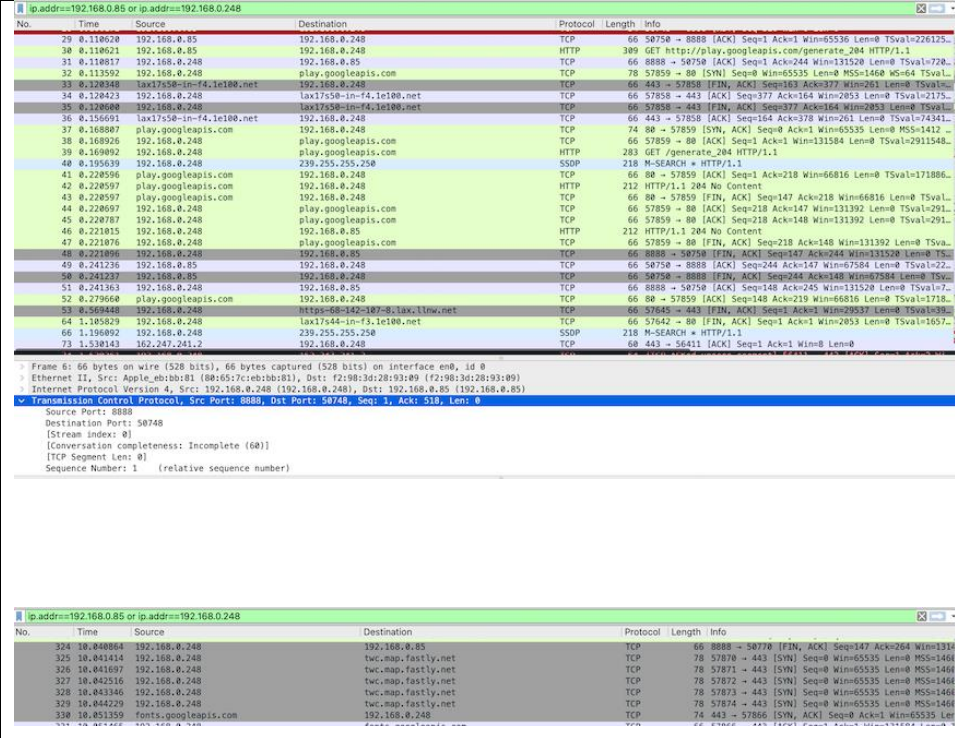
US 8,020,083	Accused Instrumentalities
	<div data-bbox="573 240 1570 792"></div> <p data-bbox="573 836 1934 917">As another example, screenshot below shows the screen that is displayed when a user taps to install the Weather Channel for Samsung app from the Galaxy Store app.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div data-bbox="583 245 968 1089"></div> <p data-bbox="583 1138 1911 1344">The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p>

12 of 89

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	 <p>Furthermore, on information and belief, ode, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
(2) a definition of a graphical user interface of the first networked information monitor that	The Accused Instrumentalities employs and provides a network information monitor template that includes a graphical user interface of the first networked information monitor that lacks controls for manually navigating a network, and that includes a frame within which content

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>lacks controls for manually navigating a network, and that includes a frame within which content received from the network location can be displayed, and frame characteristics defining one or more a color, a size, or a position on the electronic display of the frame; and</p>	<p>received from the network can be displayed, and frame characteristics defining one or more [of] a color, a size, or a position on the electronic display of the frame.</p> <p>In Android development the UI is created using “Layouts” which define ‘Views’ which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul style="list-style-type: none"> <li>• “A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of View and ViewGroup objects. A View usually draws something the user can see and interact with.”</li> </ul> <p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> <li>• <i>“<b>Declare UI elements in XML.</b> Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i></li> </ul> <p><i>You can also use Android Studio's <a href="#">Layout Editor</a> to build your XML layout using a drag-and-drop interface.”</i></p> <ul style="list-style-type: none"> <li>• <i>“Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations”</i></li> <li>• <i>“The Android framework gives you the flexibility to use either or both of these methods to build your app's UI. For example, you can declare your app's default layouts in XML, and then modify the layout at runtime.”</i></li> <li>• <i>“Write the XML. Using Android's XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML”</i></li> </ul> <p>When developing for Android using Android Studio, Layouts are represented in the .apk file as XML.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

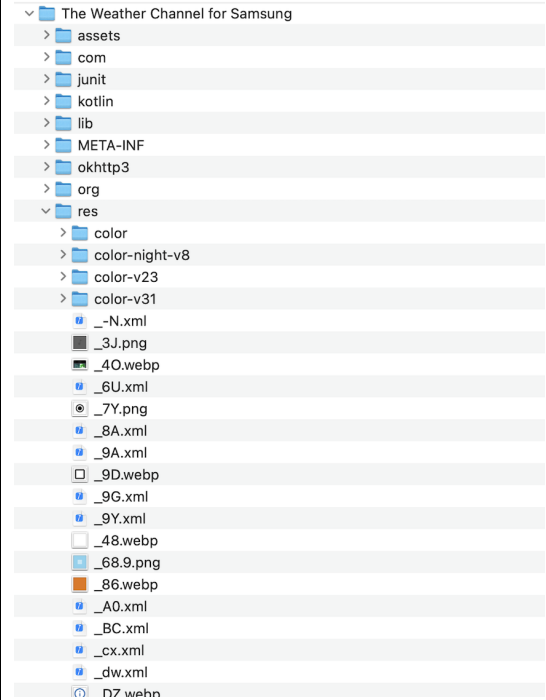
US 8,020,083	Accused Instrumentalities
	<p data-bbox="573 289 1932 500">An APK file is a zipped file containing all the project resources. By renaming these files as zip files (changing the file extension from .apk to .zip) the files can be unzipped. After unzipping the apk file, the contents can be viewed as a directory as shown in the image below. Note the resources in the /res directory. These are images used for the UI as well as XML files defining the UI in the NIM template.</p> <div data-bbox="573 540 1115 1235"></div> <p data-bbox="573 1284 1932 1406">The XML files from the above directory listing are encoded in a binary format, however, they can be inspected using Android Studio. The APK files can be opened in Android Studio and inspected via the “Profile or Debug APK” feature. The .apk file corresponding to the Weather</p>

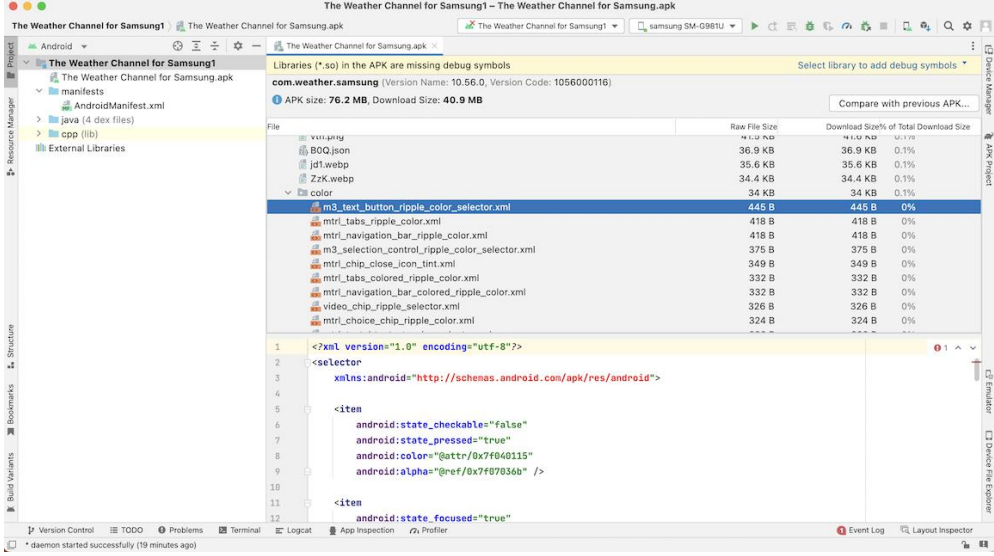


Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083

Accused Instrumentalities

Channel App for Samsung can be opened using this capability which displays the contents of the NIM template as shown below.

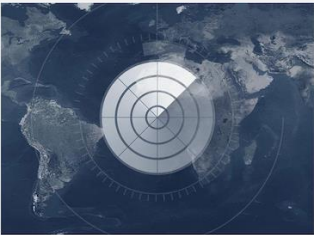


Zooming in we can view the XML resource which defines the color of a UI element.

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div><div><div><div><div>File</div><div>Raw File Size</div><div>Download Size</div><div>% of Total Download Size</div></div><div><div>color</div><div>m3_text_button_ripple_color_selector.xml</div><div>mtrl_tabs_ripple_color.xml</div><div>mtrl_navigation_bar_ripple_color.xml</div><div>m3_selection_control_ripple_color_selector.xml</div><div>mtrl_chip_close_icon_tint.xml</div><div>mtrl_tabs_colored_ripple_color.xml</div><div>mtrl_navigation_bar_colored_ripple_color.xml</div><div>video_chip_ripple_selector.xml</div><div>mtrl_choice_chip_ripple_color.xml</div><div>mtrl_text_btn_text_color_selector.xml</div><div>mtrl_fab_ripple_color.xml</div><div>mtrl_btn_ripple_color.xml</div></div><div><div>34 KB</div><div>445 B</div><div>418 B</div><div>418 B</div><div>375 B</div><div>349 B</div><div>332 B</div><div>332 B</div><div>326 B</div><div>324 B</div><div>323 B</div><div>322 B</div><div>322 B</div></div><div><div>34 KB</div><div>445 B</div><div>418 B</div><div>418 B</div><div>375 B</div><div>349 B</div><div>332 B</div><div>332 B</div><div>326 B</div><div>324 B</div><div>323 B</div><div>322 B</div><div>322 B</div></div><div><div>0.1%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div><div>0%</div></div></div></div><div><div>1&lt;?xml version="1.0" encoding="utf-8"?&gt;</div><div>2&lt;selector</div><div>3xmlns:android="http://schemas.android.com/apk/res/android"&gt;</div><div>4</div><div>5&lt;item</div><div>6android:state_checkable="false"</div><div>7android:state_pressed="true"</div><div>8android:color="@attr/0x7f040115"</div><div>9android:alpha="@ref/0x7f07036b" /&gt;</div><div>10</div><div>11&lt;item</div><div>12android:state_focused="true"</div><div>13android:state_checkable="false"</div><div>14</div></div><div><div>AK Project</div><div>Emulator</div><div>Device File Explorer</div></div></div> <p>Images are also included. Note the inclusion of WebP (an image format) images as shown in the image below:</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div><div><div><div><div>File</div><div>&gt; lib</div><div>&gt; res</div><div>xql.webp</div><div>Bfr.webp</div><div>OAx.webp</div><div>x4k.webp</div><div>hSe.webp</div><div>_40.webp</div><div>P7-.gif</div><div>H_o.webp</div><div>1wd.webp</div><div>sq_.webp</div><div>hv7.gif</div></div><div><div>Raw File Size</div><div>44.8 MB</div><div>7.5 MB</div><div>314.6 KB</div><div>295 KB</div><div>255.4 KB</div><div>202.4 KB</div><div>203.4 KB</div><div>171 KB</div><div>151.3 KB</div><div>125.2 KB</div><div>123.9 KB</div><div>117.7 KB</div><div>215.8 KB</div></div><div><div>Download Size</div><div>16.1 MB</div><div>7.3 MB</div><div>314.7 KB</div><div>292.3 KB</div><div>250.2 KB</div><div>202.5 KB</div><div>202 KB</div><div>171 KB</div><div>144.2 KB</div><div>125.3 KB</div><div>123.1 KB</div><div>117.7 KB</div><div>114.4 KB</div></div><div><div>% of Total Download Size</div><div>39.4%</div><div>17.8%</div><div>0.8%</div><div>0.7%</div><div>0.6%</div><div>0.5%</div><div>0.5%</div><div>0.4%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div></div></div><div><div>708x524 WEBP (32-bit color) 261.5 kB</div><div></div></div></div><div><div>AX Project</div><div>Emulator</div><div>Device File Explorer</div></div></div> <div><p>References</p><ul style="list-style-type: none"><li>• <a href="https://developer.android.com/develop/ui/views/layout/declaring-layout">https://developer.android.com/develop/ui/views/layout/declaring-layout</a></li><li>• <a href="https://developer.android.com/studio/profile/apk-profiler">https://developer.android.com/studio/profile/apk-profiler</a></li><li>• <a href="https://developer.android.com/studio">https://developer.android.com/studio</a></li></ul><p>In the following example, the resource defines a frame as part of the NIM template:</p></div>

19 of 89

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:layout_width="-1" android:layout_height="-1"&gt;  &lt;androidx.constraintlayout.widget.ConstraintLayout     android:orientation="1"     android:id="@ref/0x7f0a08f4"     android:paddingBottom="dimension(51201)"     android:layout_width="-1"     android:layout_height="-2"&gt;      &lt;TextView         android:textSize="dimension(6146)"         android:ellipsize="3"         android:id="@ref/0x01020016"         android:layout_width="-2"         android:layout_height="-2"         android:layout_marginLeft="dimension(1281)"         android:layout_marginRight="dimension(1281)"         android:text="@ref/0x7f120856"         android:maxLines="2"         android:layout_marginHorizontal="dimension(1281)"         app:layout_constraintStart_toStartOf="0"         app:layout_constraintTop_toTopOf="0"         style="@ref/0x7f1306a7" /&gt;      &lt;TextView         android:textSize="dimension(4098)"         android:id="@ref/0x7f0a096f"         android:layout_height="-2"         android:layout_marginTop="dimension(1025)"         android:text="@ref/0x7f1208bd"         android:layout_marginStart="@ref/0x7f07064f"         android:layout_marginEnd="@ref/0x7f07064e"         app:layout_constrainedWidth="true"         app:layout_constraintEnd_toEndOf="0"         app:layout_constraintStart_toStartOf="0"         app:layout_constraintTop_toBottomOf="@ref/0x01020016"         style="@ref/0x7f1306a6" /&gt;      &lt;TextView         android:id="@ref/0x7f0a0a2d"         android:visibility="1"         android:text="@ref/0x7f120290"         app:layout_constraintEnd_toEndOf="@ref/0x7f0a0426" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> app:layout_constraintStart_toStartOf="@ref/0x7f0a096f" app:layout_constraintTop_toBottomOf="@ref/0x7f0a096f" style="@ref/0x7f13027c" /&gt;  &lt;TextView     android:id="@ref/0x7f0a042a"     android:layout_marginTop="dimension(4097)"     android:text="@ref/0x7f1202fd"     android:labelFor="@ref/0x7f0a0427"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a2d"     style="@ref/0x7f1306a1" /&gt;  &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c7"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0426"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a042a"     style="@ref/0x7f1306a2"&gt;      &lt;EditText         android:id="@ref/0x7f0a0427"         android:maxLength="32"         android:inputType="0x61"         style="@ref/0x7f13069f" /&gt; &lt;/com.google.android.material.card.MaterialCardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0426"     android:contentDescription="@ref/0x7f1208b2"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c7"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01c7"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0429"     android:visibility="1"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208b1"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c7"     style="@ref/0x7f1306a0" /&gt; </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> &lt;TextView     android:id="@ref/0x7f0a03b4"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208ad"     android:labelFor="@ref/0x7f0a03b1"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0429"     style="@ref/0x7f1306a1" /&gt;  &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c4"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a03b0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b4"     style="@ref/0x7f1306a2"&gt;      &lt;EditText         android:id="@ref/0x7f0a03b1"         android:inputType="0x21"         style="@ref/0x7f13069f" /&gt; &lt;/com.google.android.material.card.MaterialCardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a03b0"     android:contentDescription="@ref/0x7f1208af"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c4"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01c4"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a03b3"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208ac"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c4"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0298"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208a6" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:labelFor="@ref/0x7f0a0296" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b3" style="@ref/0x7f1306a1" /&gt;  &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01a9"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0295"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0298"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputEditText         android:id="@ref/0x7f0a0296"         android:longClickable="false"         android:inputType="0x21"         android:textIsSelectable="false"         style="@ref/0x7f13069f" /&gt;     &lt;/com.google.android.material.card.MaterialCardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0295"     android:contentDescription="@ref/0x7f1208a8"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01a9"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01a9"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0297"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208ac"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01a9"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0703"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208b8"     android:labelFor="@ref/0x7f0a06fe"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0297" </pre>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> style="@ref/0x7f1306a1" /&gt;  &lt;androidx.cardview.widget.CardView     android:id="@ref/0x7f0a01cf"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a06fd"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0703"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputLayout         android:id="@ref/0x7f0a0701"         android:layout_width="-1"         android:layout_height="-2"         app:hintEnabled="false"         app:passwordToggleEnabled="true"         app:passwordToggleTint="@ref/0x7f0601d2"&gt;          &lt;com.weather.Weather.ui.WeatherEditText             android:id="@ref/0x7f0a06ff"             android:maxLength="64"             app:passwordToggleEnabled="true"             app:passwordToggleTint="@ref/0x7f0601d2"             style="@ref/0x7f1303ff" /&gt;         &lt;/com.google.android.material.textfield.TextInputLayout&gt;     &lt;/androidx.cardview.widget.CardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a06fd"     android:contentDescription="@ref/0x7f1208bb"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01cf"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01cf"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:textStyle="0x0"     android:textColor="@ref/0x7f06048a"     android:id="@ref/0x7f0a0704"     android:visibility="0"     android:layout_width="dimension(1)"     android:text="@ref/0x7f120605"     android:contentDescription="@ref/0x7f120606"     app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159"     app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0700"     android:visibility="2"     android:layout_width="dimension(1)"     android:text="@ref/0x7f120605"     android:contentDescription="@ref/0x7f120606"     app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159"     app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf"     style="@ref/0x7f1306a0" /&gt;  &lt;androidx.constraintlayout.widget.Barrier     android:id="@ref/0x7f0a0159"     android:layout_width="-2"     android:layout_height="-2"     app:barrierDirection="3"     app:constraint_referenced_ids="password_suggestion_textView,password_error_textView" /&gt;  &lt;TextView     android:id="@ref/0x7f0a02a0"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208a9"     android:labelFor="@ref/0x7f0a029b"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0159"     style="@ref/0x7f1306a1" /&gt;  &lt;androidx.cardview.widget.CardView     android:id="@ref/0x7f0a01aa"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0299"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a02a0"     style="@ref/0x7f1306a2"&gt;  &lt;com.google.android.material.textfield.TextInputLayout     android:id="@ref/0x7f0a029e"     android:layout_width="-1"     android:layout_height="-2"     app:hintEnabled="false" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2"&gt;  &lt;com.google.android.material.textfield.TextInputEditText     android:id="@ref/0x7f0a029b"     android:longClickable="false"     android:maxLength="64"     android:textIsSelectable="false"     app:passwordToggleContentDescription="@ref/0x7f120602"     app:passwordToggleTint="@ref/0x7f0601d2"     style="@ref/0x7f1303ff" /&gt; &lt;/com.google.android.material.textfield.TextInputLayout&gt; &lt;/androidx.cardview.widget.CardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0299"     android:contentDescription="@ref/0x7f1208ab"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01aa"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01aa"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a029d"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208b5"     app:layout_constrainedWidth="true"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01aa"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0457"     android:layout_width="-2"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f120332"     android:labelFor="@ref/0x7f0a0454"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a029d"     style="@ref/0x7f1306a1" /&gt;  &lt;ImageView     android:id="@ref/0x7f0a045b" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:layout_width="dimension(4097)" android:layout_height="dimension(4097)" android:layout_marginTop="dimension(1025)" android:src="@ref/0x7f080274" android:contentDescription="@ref/0x7f1203a6" android:layout_marginStart="dimension(2561)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0457" app:layout_constraintStart_toEndOf="@ref/0x7f0a0457" /&gt;  &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c8"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0453"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0457"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputLayout         android:id="@ref/0x7f0a0455"         app:boxBackgroundColor="@ref/0x0106000d"         app:boxStrokeWidth="dimension(1)"         app:endIconDrawable="@ref/0x7f080228"         app:endIconTint="@ref/0x7f0601d2"         style="@ref/0x7f130402"&gt;          &lt;com.weather.Weather.ui.KeyValueDropDownView             android:textColor="@ref/0x7f0604ff"             android:id="@ref/0x7f0a0454"             android:background="@ref/0x00000000"             android:inputType="0x1"             style="@ref/0x7f130400" /&gt;         &lt;/com.google.android.material.textfield.TextInputLayout&gt;     &lt;/com.google.android.material.card.MaterialCardView&gt;      &lt;ImageView         android:id="@ref/0x7f0a0453"         android:contentDescription="@ref/0x7f1208b3"         app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c8"         app:layout_constraintEnd_toEndOf="0"         app:layout_constraintTop_toTopOf="@ref/0x7f0a01c8"         style="@ref/0x7f1306a3" /&gt;      &lt;CheckBox         android:gravity="0x30"         android:id="@ref/0x7f0a08f3" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:paddingTop="dimension(769)" android:layout_width="-2" android:layout_height="-2" android:layout_marginTop="@ref/0x7f070642" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c8" style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:id="@ref/0x7f0a01e7"     android:layout_width="dimension(1)"     android:layout_height="-2"     android:layout_marginStart="dimension(1793)"     android:layout_marginEnd="@ref/0x7f07064e"     android:labelFor="@ref/0x7f0a08f3"     app:layout_constrainedWidth="true"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a08f3"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toEndOf="@ref/0x7f0a08f3"     app:layout_constraintTop_toTopOf="@ref/0x7f0a08f3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0a35"     android:layout_marginTop="dimension(1537)"     android:text="@ref/0x7f1208c3"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01e7"     style="@ref/0x7f1306a0" /&gt;  &lt;Button     android:textColor="@ref/0x7f060501"     android:id="@ref/0x7f0a0192"     android:background="@ref/0x7f080071"     android:layout_marginTop="dimension(7681)"     android:text="@ref/0x7f120850"     android:key="sign_up_button"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a35"     style="@ref/0x7f130004" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0122"     android:layout_width="-2"     android:layout_marginTop="@ref/0x7f070642" </pre>

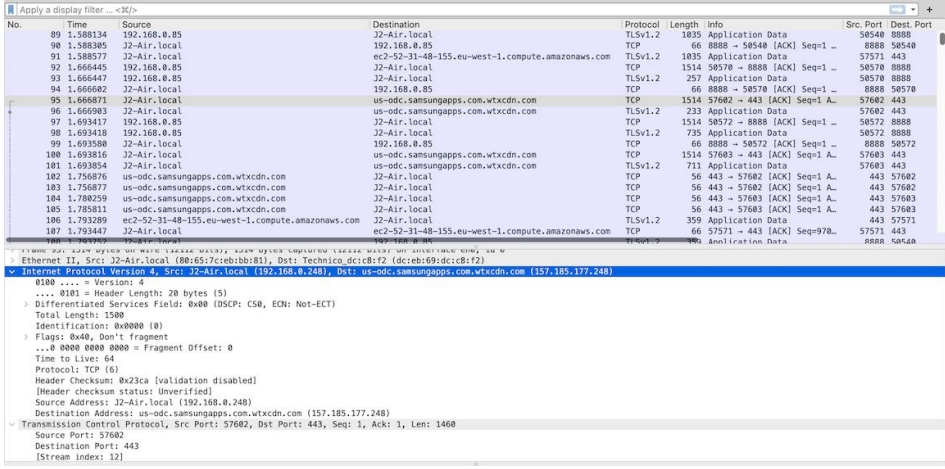
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:text="@ref/0x7f1206c9" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0192" style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a05a6"     android:text="@ref/0x7f12083b"     android:layout_marginStart="dimension(2049)"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0122"     app:layout_constraintStart_toEndOf="@ref/0x7f0a0122"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f0601c2"     android:id="@ref/0x7f0a017b"     android:visibility="2"     android:layout_width="-1"     android:layout_marginTop="@ref/0x7f070642"     android:layout_marginStart="@ref/0x7f07064f"     android:layout_marginEnd="@ref/0x7f07064e"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0122"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a09bd"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208c4"     android:paddingEnd="dimension(2561)"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a017b"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:id="@ref/0x7f0a038e"     android:text=" "     android:importantForAccessibility="2"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd"     app:layout_constraintStart_toEndOf="@ref/0x7f0a09bd"     app:layout_constraintTop_toTopOf="@ref/0x7f0a09bd"     style="@ref/0x7f1306a6" /&gt; </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a0787"     android:text="@ref/0x7f1208be"     android:paddingStart="dimension(2561)"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd"     app:layout_constraintStart_toEndOf="@ref/0x7f0a038e"     style="@ref/0x7f1306a6" /&gt; &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; &lt;/ScrollView&gt;  &lt;ProgressBar     android:layout_gravity="0x11"     android:id="@ref/0x7f0a0792"     android:visibility="1"     android:layout_width="@ref/0x7f070691"     android:layout_height="@ref/0x7f070691"     android:contentDescription="@ref/0x7f1208f8"     android:indeterminateTint="@ref/0x7f06045f" /&gt; &lt;/FrameLayout&gt; </pre> <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
(3) instructions configured (i) to cause the first networked information monitor to request content from the network location in the content reference via the TCP/IP protocol, and (ii)	<p>As shown below, the APK file of each and every application in the App store is approved by Samsung in order to be available in the App store. Each such APK file in an accused Samsung Device employs and provides instructions configured to cause the first networked information monitor to request content from the network location in the content reference via the TCP/IP protocol, and to cause the first networked information monitor to generate the graphical user interface of the first networked information monitor with the content received from the network location via the TCP/IP protocol within the frame. The APK file is transferred to the</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>to cause the first networked information monitor to generate the graphical user interface of the first networked information monitor with the content received from the network location via the TCP/IP protocol within the frame;</p>	<p>client device and the operating system installer constructs the instance of the app on the client computing device.</p> <p>In the example below we downloaded and installed the Weather Channel for Samsung app from the Galaxy app store with Location services disabled on the device (using Settings).</p> <p>As with usual app installs, we are notified of location access requirements and prompted to allow location access, as shown below.</p> <p>The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p>  <p>The screenshot displays a network traffic capture interface. The top section shows a list of captured packets with columns for No., Time, Source, Destination, Protocol, Length, Info, Src. Port, and Dest. Port. The bottom section provides a detailed view of a selected packet, showing its structure and contents, including Ethernet II, Internet Protocol Version 4, and Transmission Control Protocol details.</p>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**


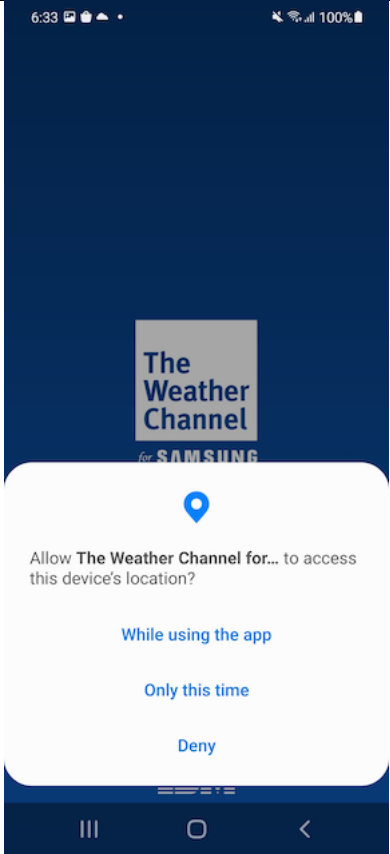
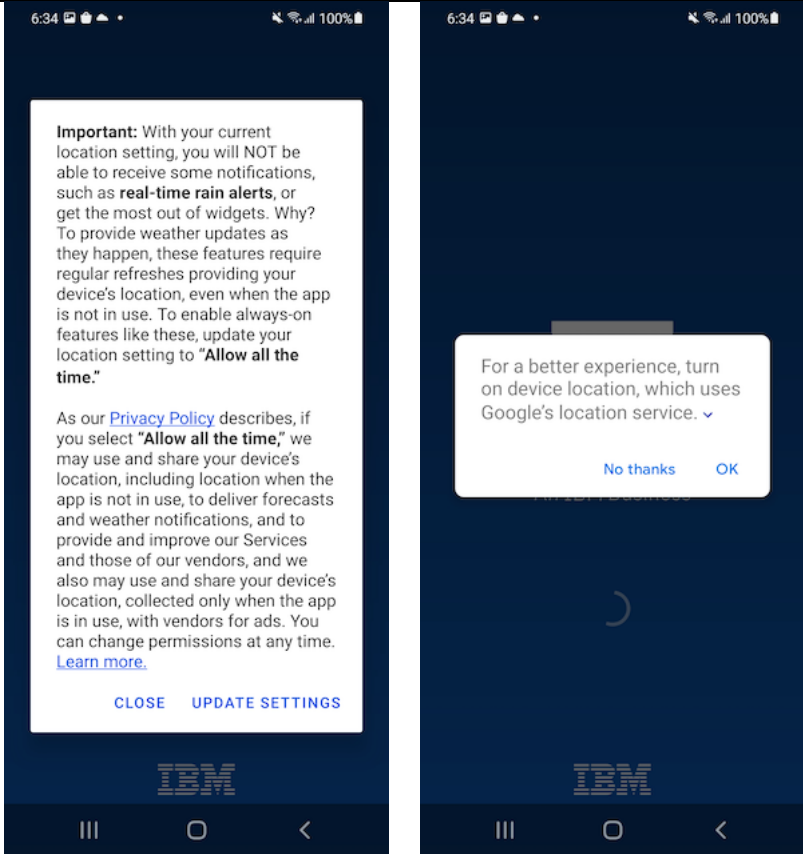

US 8,020,083	Accused Instrumentalities
	<div data-bbox="581 240 968 1089">  <p><b>Location and Your Weather</b></p> <p>If you allow access to your device's location and barometric pressure sensor data, it enables us automatically to provide you with more accurate local forecasts.</p> <p>As our <a href="#">Privacy Policy</a> describes, if you grant permission, we may use and share your device's location, including location when the app is not in use, to deliver forecasts and weather notifications, and to provide and improve our Services and those of our vendors, and we also may use and share your device's location, collected only when the app is in use, with vendors for ads. Regardless of whether or not you allow location access, you can always receive</p> <p><a href="#">I Understand</a></p> </div> <div data-bbox="1005 240 1392 1089">  <p><b>The Weather Channel</b> for SAMSUNG</p> <p>Allow <b>The Weather Channel</b> for... to access this device's location?</p> <p><a href="#">While using the app</a></p> <p><a href="#">Only this time</a></p> <p><a href="#">Deny</a></p> </div> <p>However, since our location services were disabled, we are prompted with a message that app capabilities will be impaired without location access.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

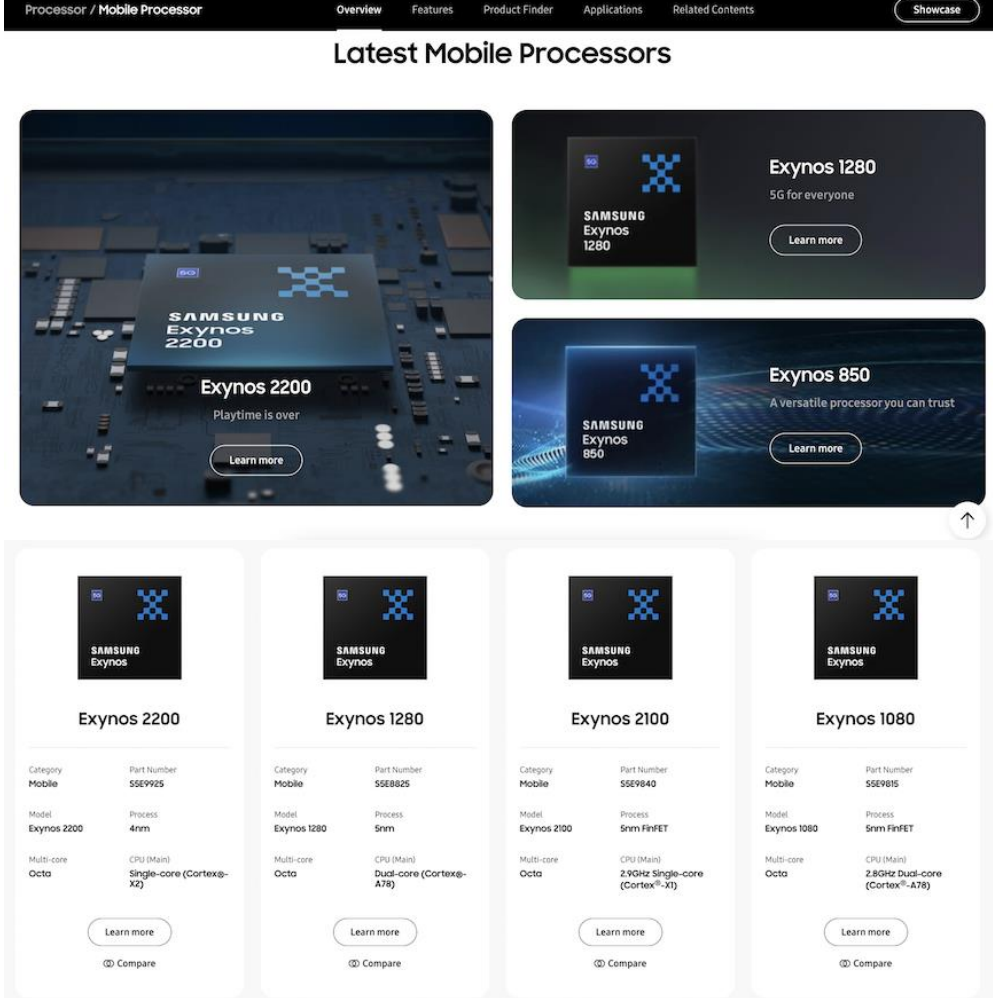
US 8,020,083	Accused Instrumentalities
	<div data-bbox="583 240 1381 1089"></div> <p data-bbox="583 1138 1890 1260">Finally, after re-enabling location access in the Samsung device settings, we are able to view the weather – see image below. Notice that the device automatically detects our location and displays relevant data even though we have not manually specified our location.</p>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>an electronic display; and</p>	<p>In the examples below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides an electronic display.</p> <p>Current and Historical Galaxy Phone screens:</p>  <p>Source: CNET: "Here's every Galaxy S phone since 2010" accessed at <a href="https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/">(https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/)</a></p>
<p>one or more processors configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on</p>	<p>The Accused Instrumentalities employs and provides one or more processors configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on the electronic display having content received from the content reference therein.</p> <p>Current Galaxy Phone processors are shown below.</p>


**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>the electronic display having content received from the content reference therein.</p>	 <p>The screenshot displays the Samsung Exynos website under the 'Mobile Processor' section. It features a navigation bar with links: Processor / Mobile Processor, Overview, Features, Product Finder, Applications, Related Contents, and a Showcase button. The main heading is 'Latest Mobile Processors'. Below this, there are three large featured cards for Exynos 2200, Exynos 1280, and Exynos 850. At the bottom, there is a grid of four smaller cards for Exynos 2200, Exynos 1280, Exynos 2100, and Exynos 1080. Each card includes a 'Learn more' button and a 'Compare' link.</p> <p><b>Exynos 2200</b> Playtime is over Learn more</p> <p><b>Exynos 1280</b> 5G for everyone Learn more</p> <p><b>Exynos 850</b> A versatile processor you can trust Learn more</p> <p><b>Exynos 2200</b> Category: Mobile, Part Number: S5E9925, Model: Exynos 2200, Process: 4nm, Multi-core: Octa, CPU (Main): Single-core (Cortex-X2) Learn more, Compare</p> <p><b>Exynos 1280</b> Category: Mobile, Part Number: S5E8825, Model: Exynos 1280, Process: 5nm, Multi-core: Octa, CPU (Main): Dual-core (Cortex-A78) Learn more, Compare</p> <p><b>Exynos 2100</b> Category: Mobile, Part Number: S5E9840, Model: Exynos 2100, Process: 5nm FinFET, Multi-core: Octa, CPU (Main): 2.90GHz single-core (Cortex-X1) Learn more, Compare</p> <p><b>Exynos 1080</b> Category: Mobile, Part Number: S5E9615, Model: Exynos 1080, Process: 5nm FinFET, Multi-core: Octa, CPU (Main): 2.80GHz Dual-core (Cortex-A78) Learn more, Compare</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




**Exynos 880**

Category	Part Number
Mobile	S5E880S
Model	Process
Exynos 880	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.0GHz Dual

[Learn more](#)

[Compare](#)




**Exynos 850**

Category	Part Number
Mobile	S5E850
Model	Process
Exynos 850	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A55

[Learn more](#)

[Compare](#)




**Exynos 990**

Category	Part Number
Mobile	S5E990
Model	Process
Exynos 990	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 980**

Category	Part Number
Mobile	S5E980
Model	Process
Exynos 980	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.2GHz Dual

[Learn more](#)

[Compare](#)




**Exynos 9825**

Category	Part Number
Mobile	S5E9825
Model	Process
Exynos 9825	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9820**

Category	Part Number
Mobile	S5E9820
Model	Process
Exynos 9820	8nm LPP FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9611**

Category	Part Number
Mobile	S5E9611
Model	Process
Exynos 9611	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

[Learn more](#)

[Compare](#)



**Exynos 9610**

Category	Part Number
Mobile	S5E9610
Model	Process
Exynos 9610	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad


[Learn more](#)

[Compare](#)

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




**Exynos 9609**

Category	Part Number
Mobile	S5E9609
Model	Exynos 9609
Process	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.2GHz
	Quad

[Learn more](#)

[Compare](#)




**Exynos 7904**

Category	Part Number
Mobile	S5E7904
Model	Exynos 7904
Process	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.8GHz
	Dual

[Learn more](#)

[Compare](#)




**Exynos 7884**

Category	Part Number
Mobile	S5E7885
Model	Exynos 7884
Process	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.6GHz
	Dual

[Learn more](#)

[Compare](#)




**Exynos 9810**

Category	Part Number
Mobile	S5E9810
Model	Exynos 9810
Process	10nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU 2.9GHz
	Quad

[Learn more](#)

[Compare](#)




**Exynos 9825**

Category	Part Number
Mobile	S5E9825
Model	Exynos 9825
Process	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9820**

Category	Part Number
Mobile	S5E9820
Model	Exynos 9820
Process	8nm LPP FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9611**

Category	Part Number
Mobile	S5E9611
Model	Exynos 9611
Process	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz
	Quad

[Learn more](#)

[Compare](#)



**Exynos 9610**

Category	Part Number
Mobile	S5E9610
Model	Exynos 9610
Process	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz
	Quad

[Learn more](#)

[Compare](#)

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083





US 8,020,083	Accused Instrumentalities																																								
	<div><div><div><div></div><div>Exynos 9609</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9609</td></tr><tr><td>Model</td><td>Exynos 9609</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 2.2GHz Quad</td></tr></table><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 7904</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E7904</td></tr><tr><td>Model</td><td>Exynos 7904</td></tr><tr><td>Process</td><td>14nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 1.8GHz Dual</td></tr></table><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 7884</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E7885</td></tr><tr><td>Model</td><td>Exynos 7884</td></tr><tr><td>Process</td><td>14nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 1.6GHz Dual</td></tr></table><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 9810</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9810</td></tr><tr><td>Model</td><td>Exynos 9810</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Custom CPU 2.9GHz Quad</td></tr></table><div>Learn more</div><div>Compare</div></div></div></div></div><div><p>References:</p><ul style="list-style-type: none"><li>• <a href="https://en.wikipedia.org/wiki/Samsung_Galaxy_S20">https://en.wikipedia.org/wiki/Samsung_Galaxy_S20</a></li><li>• <a href="https://semiconductor.samsung.com/processor/mobile-processor/">https://semiconductor.samsung.com/processor/mobile-processor/</a></li><li>• <a href="https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices">https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices</a></li></ul><p>In the example below the GUI of the first NIM (Weather App) is presented to a user on the electronic display with content received from the content reference.</p></div></div></div></div></div></div></div>	Category	Part Number	Mobile	S5E9609	Model	Exynos 9609	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.2GHz Quad	Category	Part Number	Mobile	S5E7904	Model	Exynos 7904	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.8GHz Dual	Category	Part Number	Mobile	S5E7885	Model	Exynos 7884	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.6GHz Dual	Category	Part Number	Mobile	S5E9810	Model	Exynos 9810	Process	10nm FinFET	Multi-core	CPU (Main) Custom CPU 2.9GHz Quad
Category	Part Number																																								
Mobile	S5E9609																																								
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Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div><div><div><div><div><div><span>7:08</span><div><div></div><div></div><div></div></div><div><div></div></div><div><div></div><div>100%</div></div></div></div><div><div><div><span></span><div><div><span></span></div><div><span>Santa Barbara, CA</span></div></div><div><div></div><div></div><div></div></div></div></div><div><div><div><span>64°</span><div><div></div></div></div><div><div>Cloudy</div><div>Feels like 64°</div><div>Day 69° • Night 59°</div></div><div><div><span></span></div><div>Marine Weather Statement</div></div></div></div><div><div><div>Hourly Forecast</div><div><div><div><div><div>8 am</div><div>64°</div><div><div></div></div><div>6%</div></div><div><div>9 am</div><div>65°</div><div><div></div></div><div>6%</div></div><div><div>10 am</div><div>66°</div><div><div></div></div><div>5%</div></div><div><div>11 am</div><div>66°</div><div><div></div></div><div>4%</div></div></div></div><div><div>See Details</div></div></div></div><div><div><div>Latest News</div><div><div><div><div><span>www.TireRack.com</span></div><div><span>Order Today</span></div></div><div><div>SHOP NOW</div></div></div></div></div></div><div><div><div><div><div><span></span><div><div>Hourly</div></div></div><div><span></span><div><div>Daily</div></div></div><div><span></span><div><div>The Weather Channel</div></div></div><div><span></span><div><div>Radar</div></div></div><div><span></span><div><div>Videos</div></div></div></div></div></div></div></div><div><div><div><div><span></span></div><div><span></span></div><div><span></span></div></div></div></div></div><p>Evidence that the processors are configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on the electronic display having content received from the content reference is shown from the fact that all processors can run any software installed on the Accused Samsung Device after installation.</p></div></div></div></div>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
<p>2. The client device of claim 1, wherein the first networked information monitor template further comprises control characteristics that define one or more controls that are usable by the user to interact with or control the first networked information monitor.</p>	<p>The Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the first networked information monitor template further comprises control characteristics that define one or more controls that are usable by the user to interact with or control the first networked information monitor.</p> <p>In the example below, the NIM (Weather app) is defined by a first NIM Template (within the APK file) which further comprises control characteristics that define one or more controls (e.g., Horizontally scrolling hourly forecast) that are usable by the user to interact or control the first NIM (e.g., left or right swipe to access desired hours of forecast).</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<div data-bbox="583 240 1413 1088"> </div> <p data-bbox="583 1096 1929 1177">In Android development the UI is typically built using “Layouts” which define ‘Views” which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul data-bbox="630 1218 1929 1347" style="list-style-type: none"> <li>• “A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of View and ViewGroup objects. A View usually draws something the user can see and interact with.”</li> </ul>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> <li> <p><i>“Declare UI elements in XML. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i></p> <p><i>You can also use Android Studio’s <a href="#">Layout Editor</a> to build your XML layout using a drag-and-drop interface.”</i></p> </li> <li> <p><i>“Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations”</i></p> </li> <li> <p><i>“The Android framework gives you the flexibility to use either or both of these methods to build your app’s UI. For example, you can declare your app’s default layouts in XML, and then modify the layout at runtime.”</i></p> </li> <li> <p><i>“Write the XML. Using Android’s XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML”</i></p> </li> </ul> <p>When developing for Android using Android Studio, Layouts are represented in the user interface as XML.</p> <p>Once the application is ready for installation on a device, it is converted to an APK file which is a zipped file containing all the project resources. By renaming these files as zip files (changing the file extension from .apk to .zip) the files can be unzipped. After unzipping the apk file, the contents can be viewed as a directory as shown in the image below. Note the resources in the /res directory. These are images used for the UI as well as XML files defining the UI in the NIM template.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

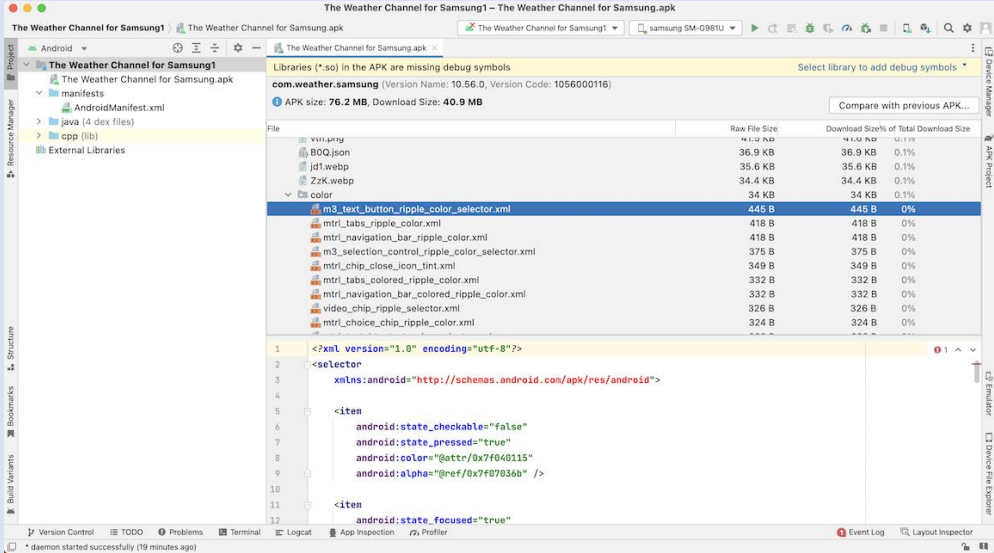
	<ul style="list-style-type: none"> <li>▼ The Weather Channel for Samsung <ul style="list-style-type: none"> <li>&gt; assets</li> <li>&gt; com</li> <li>&gt; junit</li> <li>&gt; kotlin</li> <li>&gt; lib</li> <li>&gt; META-INF</li> <li>&gt; okhttp3</li> <li>&gt; org</li> <li>▼ res <ul style="list-style-type: none"> <li>&gt; color</li> <li>&gt; color-night-v8</li> <li>&gt; color-v23</li> <li>&gt; color-v31</li> <li>_N.xml</li> <li>_3J.png</li> <li>_4O.webp</li> <li>_6U.xml</li> <li>_7Y.png</li> <li>_8A.xml</li> <li>_9A.xml</li> <li>_9D.webp</li> <li>_9G.xml</li> <li>_9Y.xml</li> <li>_48.webp</li> <li>_68.9.png</li> <li>_86.webp</li> <li>_A0.xml</li> <li>_BC.xml</li> <li>_cx.xml</li> <li>_dw.xml</li> <li>DZ.webp</li> </ul> </li> </ul> </li> </ul>	
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Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083

Accused Instrumentalities

The XML files from the above directory listing are encoded in a binary format, however, they can be inspected using Android Studio. The APK files can be opened in Android Studio and inspected via the “Profile or Debug APK” feature. The .apk file for the Weather Channel App for Samsung can be opened using this capability which displays the contents of the NIM template as shown below.



Zooming in we can view the XML resource which defines the color of a UI element.

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083

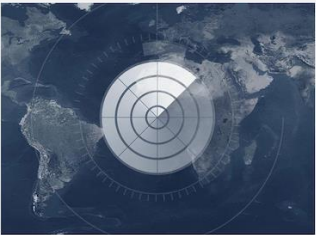
Accused Instrumentalities

File	Raw File Size	Download Size	% of Total Download Size
color	34 KB	34 KB	0.1%
m3_text_button_ripple_color_selector.xml	445 B	445 B	0%
mtrl_tabs_ripple_color.xml	418 B	418 B	0%
mtrl_navigation_bar_ripple_color.xml	418 B	418 B	0%
m3_selection_control_ripple_color_selector.xml	375 B	375 B	0%
mtrl_chip_close_icon_tint.xml	349 B	349 B	0%
mtrl_tabs_colored_ripple_color.xml	332 B	332 B	0%
mtrl_navigation_bar_colored_ripple_color.xml	332 B	332 B	0%
video_chip_ripple_selector.xml	326 B	326 B	0%
mtrl_choice_chip_ripple_color.xml	324 B	324 B	0%
mtrl_text_btn_text_color_selector.xml	323 B	323 B	0%
mtrl_fab_ripple_color.xml	322 B	322 B	0%
mtrl_btn_ripple_color.xml	322 B	322 B	0%

```
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
  <item android:state_checkable="false" android:state_pressed="true" android:color="@attr/0x7f040115" android:alpha="@ref/0x7f07036b" />
  <item android:state_focused="true" android:state_checkable="false" />
</selector>
```

Images are also included. Note the inclusion of WebP (an image format) images as shown in the image below:

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div><div><div><div>File</div><div><div>&gt; lib</div><div><div>res</div><div><div>xql.webp</div><div>Bfr.webp</div><div>OAx.webp</div><div>x4k.webp</div><div>hSe.webp</div><div>_40.webp</div><div>P7-.gif</div><div>H_o.webp</div><div>1wd.webp</div><div>sq_.webp</div><div>hv7.gif</div></div></div></div><div><div>Raw File Size</div><div>44.8 MB</div><div>7.5 MB</div><div>314.6 KB</div><div>295 KB</div><div>255.4 KB</div><div>202.4 KB</div><div>203.4 KB</div><div>171 KB</div><div>151.3 KB</div><div>125.2 KB</div><div>123.9 KB</div><div>117.7 KB</div><div>215.8 KB</div></div><div><div>Download Size</div><div>16.1 MB</div><div>7.3 MB</div><div>314.7 KB</div><div>292.3 KB</div><div>250.2 KB</div><div>202.5 KB</div><div>202 KB</div><div>171 KB</div><div>144.2 KB</div><div>125.3 KB</div><div>123.1 KB</div><div>117.7 KB</div><div>114.4 KB</div></div><div><div>% of Total Download Size</div><div>39.4%</div><div>17.8%</div><div>0.8%</div><div>0.7%</div><div>0.6%</div><div>0.5%</div><div>0.5%</div><div>0.4%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div><div>0.3%</div></div></div><div><div>APK Project</div><div>Emulator</div><div>Device File Explorer</div></div></div><div><div>708x524 WEBP (32-bit color) 261.5 kB</div><div></div></div></div> <div><div>References</div><div><ul style="list-style-type: none"><li><a href="https://developer.android.com/develop/ui/views/layout/declaring-layout">https://developer.android.com/develop/ui/views/layout/declaring-layout</a></li><li><a href="https://developer.android.com/studio/profile/apk-profiler">https://developer.android.com/studio/profile/apk-profiler</a></li><li><a href="https://developer.android.com/studio">https://developer.android.com/studio</a></li></ul></div><div><p>In the following example, the resource defines a frame as part of the NIM template:</p></div></div>



48 of 89

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:orientation="1" android:id="@ref/0x7f0a08f4" android:paddingBottom="dimension(51201) " android:layout_width="-1" android:layout_height="-2"&gt;  &lt;TextView     android:textSize="dimension(6146) "     android:ellipsize="3"     android:id="@ref/0x01020016"     android:layout_width="-2"     android:layout_height="-2"     android:layout_marginLeft="dimension(1281) "     android:layout_marginRight="dimension(1281) "     android:text="@ref/0x7f120856"     android:maxLines="2"     android:layout_marginHorizontal="dimension(1281) "     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toTopOf="0"     style="@ref/0x7f1306a7" /&gt;  &lt;TextView     android:textSize="dimension(4098) "     android:id="@ref/0x7f0a096f"     android:layout_height="-2"     android:layout_marginTop="dimension(1025) "     android:text="@ref/0x7f1208bd"     android:layout_marginStart="@ref/0x7f07064f"     android:layout_marginEnd="@ref/0x7f07064e"     app:layout_constrainedWidth="true"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x01020016"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0a2d"     android:visibility="1"     android:text="@ref/0x7f120290"     app:layout_constraintEnd_toEndOf="@ref/0x7f0a0426"     app:layout_constraintStart_toStartOf="@ref/0x7f0a096f"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a096f"     style="@ref/0x7f13027c" /&gt;  &lt;TextView     android:id="@ref/0x7f0a042a"     android:layout_marginTop="dimension(4097) "     android:text="@ref/0x7f1202fd"     android:labelFor="@ref/0x7f0a0427"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a2d"     style="@ref/0x7f1306a1" /&gt; </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c7"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0426"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a042a"     style="@ref/0x7f1306a2"&gt;      &lt;EditText         android:id="@ref/0x7f0a0427"         android:maxLength="32"         android:inputType="0x61"         style="@ref/0x7f13069f" /&gt; &lt;/com.google.android.material.card.MaterialCardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0426"     android:contentDescription="@ref/0x7f1208b2"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c7"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01c7"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0429"     android:visibility="1"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208b1"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c7"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a03b4"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208ad"     android:labelFor="@ref/0x7f0a03b1"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0429"     style="@ref/0x7f1306a1" /&gt;  &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c4"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a03b0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b4"     style="@ref/0x7f1306a2"&gt;      &lt;EditText         android:id="@ref/0x7f0a03b1"         android:inputType="0x21" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre>         style="@ref/0x7f13069f" /&gt;     &lt;/com.google.android.material.card.MaterialCardView&gt;      &lt;ImageView         android:id="@ref/0x7f0a03b0"         android:contentDescription="@ref/0x7f1208af"         app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c4"         app:layout_constraintEnd_toEndOf="0"         app:layout_constraintTop_toTopOf="@ref/0x7f0a01c4"         style="@ref/0x7f1306a3" /&gt;      &lt;TextView         android:id="@ref/0x7f0a03b3"         android:layout_width="dimension(1)"         android:text="@ref/0x7f1208ac"         app:layout_constraintEnd_toEndOf="0"         app:layout_constraintStart_toStartOf="0"         app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c4"         style="@ref/0x7f1306a0" /&gt;      &lt;TextView         android:id="@ref/0x7f0a0298"         android:layout_marginTop="@ref/0x7f070642"         android:text="@ref/0x7f1208a6"         android:labelFor="@ref/0x7f0a0296"         app:layout_constraintStart_toStartOf="0"         app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b3"         style="@ref/0x7f1306a1" /&gt;      &lt;com.google.android.material.card.MaterialCardView         android:id="@ref/0x7f0a01a9"         app:layout_constraintEnd_toStartOf="@ref/0x7f0a0295"         app:layout_constraintStart_toStartOf="0"         app:layout_constraintTop_toBottomOf="@ref/0x7f0a0298"         style="@ref/0x7f1306a2"&gt;          &lt;com.google.android.material.textfield.TextInputEditText             android:id="@ref/0x7f0a0296"             android:longClickable="false"             android:inputType="0x21"             android:textIsSelectable="false"             style="@ref/0x7f13069f" /&gt;     &lt;/com.google.android.material.card.MaterialCardView&gt;      &lt;ImageView         android:id="@ref/0x7f0a0295"         android:contentDescription="@ref/0x7f1208a8"         app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01a9"         app:layout_constraintEnd_toEndOf="0"         app:layout_constraintTop_toTopOf="@ref/0x7f0a01a9"         style="@ref/0x7f1306a3" /&gt; </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> &lt;TextView     android:id="@ref/0x7f0a0297"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208ac"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01a9"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0703"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208b8"     android:labelFor="@ref/0x7f0a06fe"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0297"     style="@ref/0x7f1306a1" /&gt;  &lt;androidx.cardview.widget.CardView     android:id="@ref/0x7f0a01cf"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a06fd"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0703"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputLayout         android:id="@ref/0x7f0a0701"         android:layout_width="-1"         android:layout_height="-2"         app:hintEnabled="false"         app:passwordToggleEnabled="true"         app:passwordToggleTint="@ref/0x7f0601d2"&gt;          &lt;com.weather.Weather.ui.WeatherEditText             android:id="@ref/0x7f0a06ff"             android:maxLength="64"             app:passwordToggleEnabled="true"             app:passwordToggleTint="@ref/0x7f0601d2"             style="@ref/0x7f1303ff" /&gt;         &lt;/com.google.android.material.textfield.TextInputLayout&gt;     &lt;/androidx.cardview.widget.CardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a06fd"     android:contentDescription="@ref/0x7f1208bb"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01cf"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01cf"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:textStyle="0x0" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> android:textColor="@ref/0x7f06048a" android:id="@ref/0x7f0a0704" android:visibility="0" android:layout_width="dimension(1)" android:text="@ref/0x7f120605" android:contentDescription="@ref/0x7f120606" app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159" app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0700"     android:visibility="2"     android:layout_width="dimension(1)"     android:text="@ref/0x7f120605"     android:contentDescription="@ref/0x7f120606"     app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159"     app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf"     style="@ref/0x7f1306a0" /&gt;  &lt;androidx.constraintlayout.widget.Barrier     android:id="@ref/0x7f0a0159"     android:layout_width="-2"     android:layout_height="-2"     app:barrierDirection="3"     app:constraint_referenced_ids="password_suggestion_textView,password_error_textView" /&gt;  &lt;TextView     android:id="@ref/0x7f0a02a0"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208a9"     android:labelFor="@ref/0x7f0a029b"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0159"     style="@ref/0x7f1306a1" /&gt;  &lt;androidx.cardview.widget.CardView     android:id="@ref/0x7f0a01aa"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0299"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a02a0"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputLayout         android:id="@ref/0x7f0a029e"         android:layout_width="-1"         android:layout_height="-2"         app:hintEnabled="false" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2"&gt;  &lt;com.google.android.material.textfield.TextInputEditText     android:id="@ref/0x7f0a029b"     android:longClickable="false"     android:maxLength="64"     android:textIsSelectable="false"     app:passwordToggleContentDescription="@ref/0x7f120602"     app:passwordToggleTint="@ref/0x7f0601d2"     style="@ref/0x7f1303ff" /&gt; &lt;/com.google.android.material.textfield.TextInputLayout&gt; &lt;/androidx.cardview.widget.CardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0299"     android:contentDescription="@ref/0x7f1208ab"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01aa"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01aa"     style="@ref/0x7f1306a3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a029d"     android:layout_width="dimension(1)"     android:text="@ref/0x7f1208b5"     app:layout_constrainedWidth="true"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01aa"     style="@ref/0x7f1306a0" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0457"     android:layout_width="-2"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f120332"     android:labelFor="@ref/0x7f0a0454"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a029d"     style="@ref/0x7f1306a1" /&gt;  &lt;ImageView     android:id="@ref/0x7f0a045b"     android:layout_width="dimension(4097)"     android:layout_height="dimension(4097)"     android:layout_marginTop="dimension(1025)"     android:src="@ref/0x7f080274"     android:contentDescription="@ref/0x7f1203a6"     android:layout_marginStart="dimension(2561)"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0457"     app:layout_constraintStart_toEndOf="@ref/0x7f0a0457" /&gt; </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> &lt;com.google.android.material.card.MaterialCardView     android:id="@ref/0x7f0a01c8"     app:layout_constraintEnd_toStartOf="@ref/0x7f0a0453"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0457"     style="@ref/0x7f1306a2"&gt;      &lt;com.google.android.material.textfield.TextInputLayout         android:id="@ref/0x7f0a0455"         app:boxBackgroundColor="@ref/0x0106000d"         app:boxStrokeWidth="dimension(1)"         app:endIconDrawable="@ref/0x7f080228"         app:endIconTint="@ref/0x7f0601d2"         style="@ref/0x7f130402"&gt;          &lt;com.weather.Weather.ui.KeyValueDropDownView             android:textColor="@ref/0x7f0604ff"             android:id="@ref/0x7f0a0454"             android:background="@ref/0x00000000"             android:inputType="0x1"             style="@ref/0x7f130400" /&gt;      &lt;/com.google.android.material.textfield.TextInputLayout&gt; &lt;/com.google.android.material.card.MaterialCardView&gt;  &lt;ImageView     android:id="@ref/0x7f0a0453"     android:contentDescription="@ref/0x7f1208b3"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c8"     app:layout_constraintEnd_toEndOf="0"     app:layout_constraintTop_toTopOf="@ref/0x7f0a01c8"     style="@ref/0x7f1306a3" /&gt;  &lt;CheckBox     android:gravity="0x30"     android:id="@ref/0x7f0a08f3"     android:paddingTop="dimension(769)"     android:layout_width="-2"     android:layout_height="-2"     android:layout_marginTop="@ref/0x7f070642"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c8"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:id="@ref/0x7f0a01e7"     android:layout_width="dimension(1)"     android:layout_height="-2"     android:layout_marginStart="dimension(1793)"     android:layout_marginEnd="@ref/0x7f07064e"     android:labelFor="@ref/0x7f0a08f3"     app:layout_constrainedWidth="true" </pre>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> app:layout_constraintBottom_toBottomOf="@ref/0x7f0a08f3" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toEndOf="@ref/0x7f0a08f3" app:layout_constraintTop_toTopOf="@ref/0x7f0a08f3" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0a35"     android:layout_marginTop="dimension(1537)"     android:text="@ref/0x7f1208c3"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a01e7"     style="@ref/0x7f1306a0" /&gt;  &lt;Button     android:textColor="@ref/0x7f060501"     android:id="@ref/0x7f0a0192"     android:background="@ref/0x7f080071"     android:layout_marginTop="dimension(7681)"     android:text="@ref/0x7f120850"     android:key="sign_up_button"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a35"     style="@ref/0x7f130004" /&gt;  &lt;TextView     android:id="@ref/0x7f0a0122"     android:layout_width="-2"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1206c9"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0192"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a05a6"     android:text="@ref/0x7f12083b"     android:layout_marginStart="dimension(2049)"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0122"     app:layout_constraintStart_toEndOf="@ref/0x7f0a0122"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f0601c2"     android:id="@ref/0x7f0a017b"     android:visibility="2"     android:layout_width="-1"     android:layout_marginTop="@ref/0x7f070642"     android:layout_marginStart="@ref/0x7f07064f"     android:layout_marginEnd="@ref/0x7f07064e"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a0122" </pre>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<pre> style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a09bd"     android:layout_marginTop="@ref/0x7f070642"     android:text="@ref/0x7f1208c4"     android:paddingEnd="dimension(2561)"     app:layout_constraintStart_toStartOf="0"     app:layout_constraintTop_toBottomOf="@ref/0x7f0a017b"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:id="@ref/0x7f0a038e"     android:text=" "     android:importantForAccessibility="2"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd"     app:layout_constraintStart_toEndOf="@ref/0x7f0a09bd"     app:layout_constraintTop_toTopOf="@ref/0x7f0a09bd"     style="@ref/0x7f1306a6" /&gt;  &lt;TextView     android:textColor="@ref/0x7f06000a"     android:id="@ref/0x7f0a0787"     android:text="@ref/0x7f1208be"     android:paddingStart="dimension(2561)"     app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd"     app:layout_constraintStart_toEndOf="@ref/0x7f0a038e"     style="@ref/0x7f1306a6" /&gt; &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; &lt;/ScrollView&gt;  &lt;ProgressBar     android:layout_gravity="0x11"     android:id="@ref/0x7f0a0792"     android:visibility="1"     android:layout_width="@ref/0x7f070691"     android:layout_height="@ref/0x7f070691"     android:contentDescription="@ref/0x7f1208f8"     android:indeterminateTint="@ref/0x7f06045f" /&gt; &lt;/FrameLayout&gt; </pre>
3. The client device of claim 2, wherein the control characteristics define visual representations of the	The Accused Instrumentalities employs and provides the client device where the control characteristics define visual representations of the controls that are included in the graphical user interface of the first networked information monitor.

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

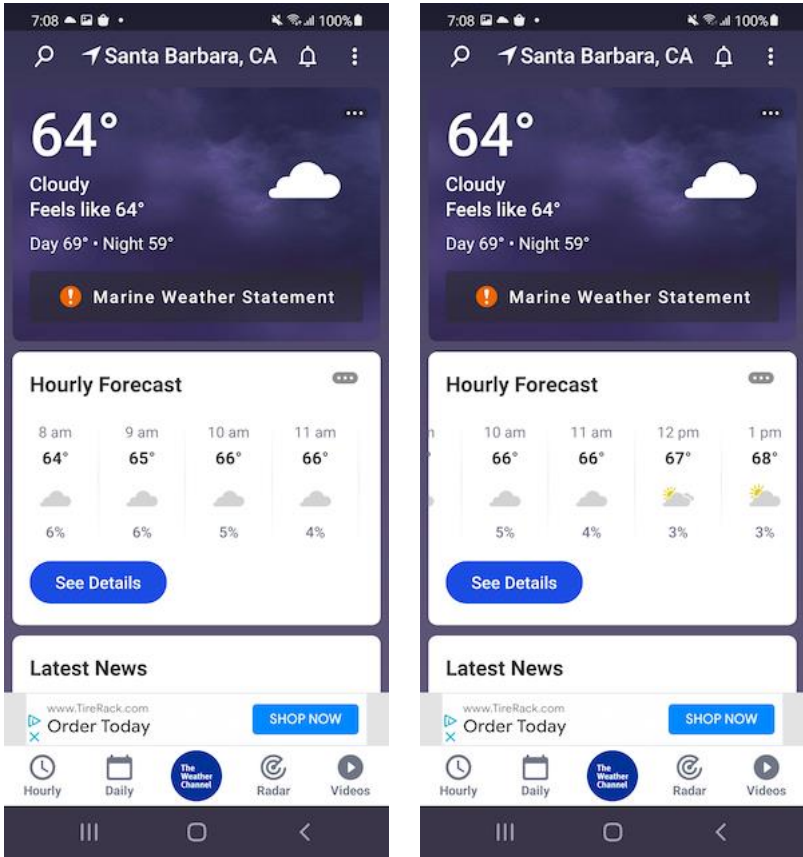
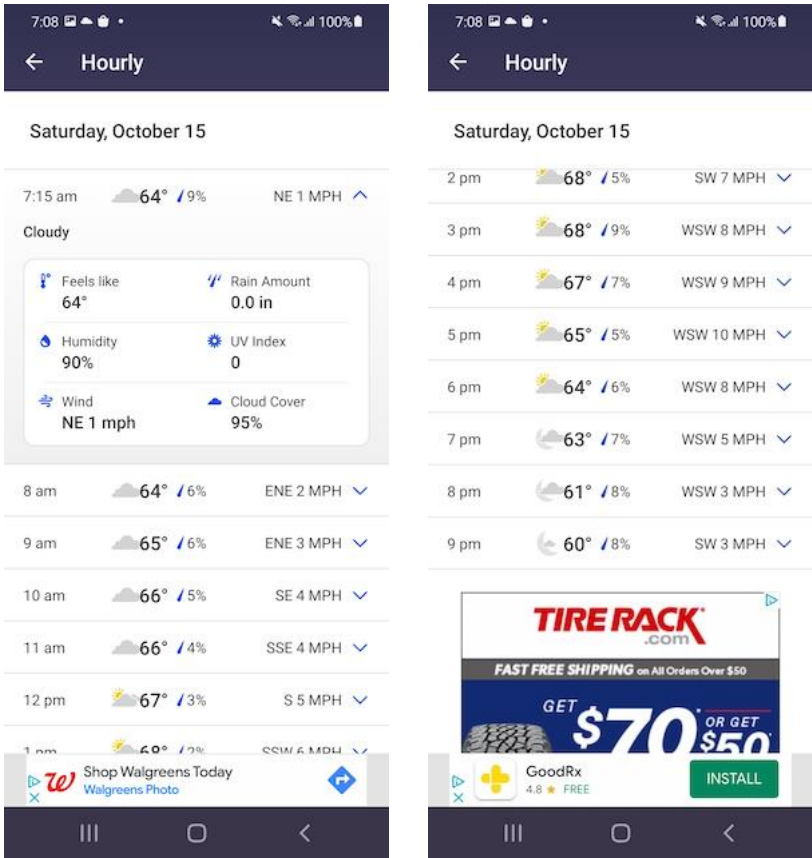
US 8,020,083	Accused Instrumentalities
<p>controls that are included in the graphical user interface of the first networked information monitor.</p>	<p>In the example below the first NIM template (within the APK file) further comprises control characteristics that define one or more visual representations of the controls (e.g., Horizontally scrolling hourly forecast) that are included in the GUI of the first NIM (Weather Channel app). Note the horizontal scrolling example below, in the hourly forecast.</p> <div data-bbox="583 495 1381 1347"></div>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<p>And vertical scrolling as shown in the next example. The image below shows how the content can be scrolled vertically to display data for each hour of the day. The ability to scroll demonstrates that there are the control characteristics that define visual representations of the controls that are included in the graphical user interface of the first networked information mo</p> <div></div>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.
4. The client device of claim 1, wherein the plurality of networked information monitor templates further comprises a second networked information monitor template defining a second networked information monitor, wherein the second networked information monitor template comprises:	Accused Instrumentalities employs and provides the client device, where the plurality of networked information monitor templates further comprises a second networked information monitor template defining a second networked information monitor. For example,. th

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div><div><div><div><div><div><span>7:08</span><div><div></div><div></div><div></div></div><div><div></div></div><div><div></div><div>100%</div></div></div></div><div><div><span>🔍</span><span>📍</span><span>🔔</span><span>☰</span></div><div>Santa Barbara, CA</div></div></div><div><div><div>64°</div><div>Cloudy</div><div>Feels like 64°</div><div>Day 69° • Night 59°</div><div><div>!</div>Marine Weather Statement</div></div></div><div><div>Hourly Forecast</div><div><div><div>8 am</div><div>64°</div><div><div></div></div><div>6%</div></div><div><div>9 am</div><div>65°</div><div><div></div></div><div>6%</div></div><div><div>10 am</div><div>66°</div><div><div></div></div><div>5%</div></div><div><div>11 am</div><div>66°</div><div><div></div></div><div>4%</div></div></div><div>See Details</div></div><div><div>Latest News</div><div><div><div>www.TireRack.com</div><div><div><div></div></div>Order Today</div><div>SHOP NOW</div></div></div></div><div><div><div><div>🕒</div><div>Hourly</div></div><div><div>📅</div><div>Daily</div></div><div><div><div>The Weather Channel</div></div></div><div><div>🌀</div><div>Radar</div></div><div><div>🎥</div><div>Videos</div></div></div><div><div>☰</div><div>◻</div><div>◀</div></div></div></div><div><p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p></div></div></div>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

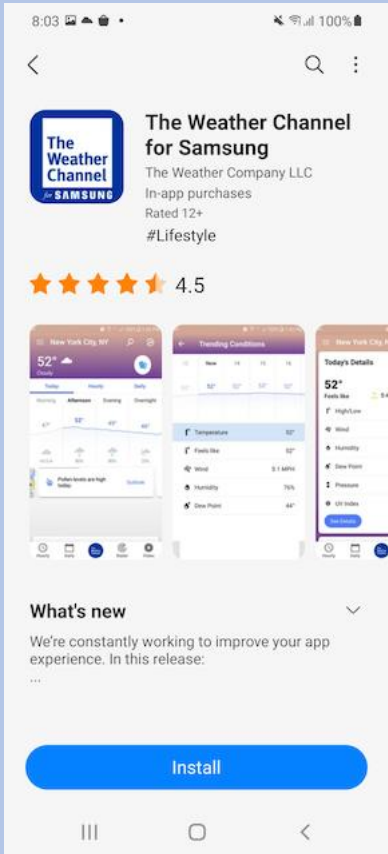
US 8,020,083	Accused Instrumentalities
<p>(1) a second content reference that comprises a second network location, which is different from the network location in the content reference of the first networked information monitor template, at which content for the second networked information monitor is accessible via the TCP/IP protocol; and</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides a second content reference that comprises a second network location, which is different from the network location in the content reference of the first networked information monitor template, at which content for the second networked information monitor is accessible via the TCP/IP protocol.</p> 

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

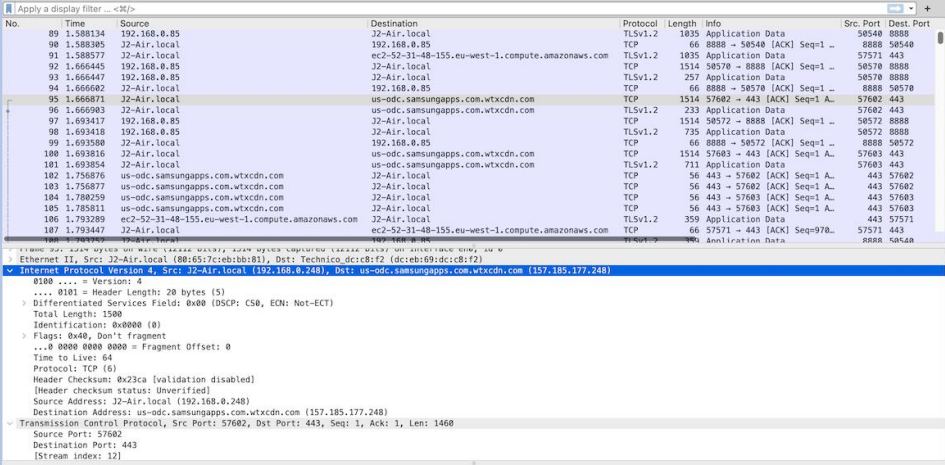
US 8,020,083	Accused Instrumentalities
	<p>The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p>  <p>One installed, we run the Weather Channel for Samsung app for the first time. This results in the following TCP/IP network traffic. For this example the proxy server is IP address 192.168.0.248 and the Samsung Device is running on IP address 192.168.0.85. These TCP/IP packets resulting from running the app are shown in the following three Wireshark screenshots. On information and belief, the network information template would obtain content from the network using a similar process.</p>



Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083

Accused Instrumentalities

ip.addr==192.168.0.85 or ip.addr==192.168.0.248

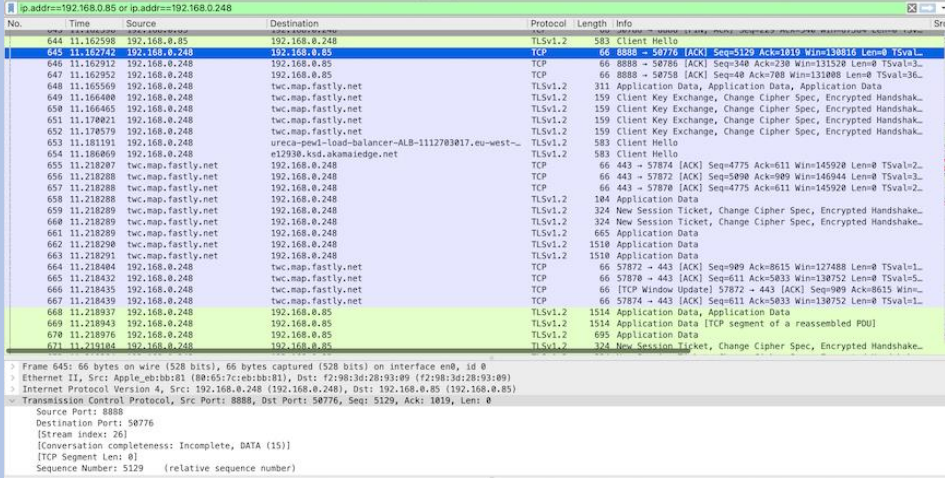
No.	Time	Source	Destination	Protocol	Length	Info
29	0.118020	192.168.0.85	192.168.0.248	TCP	66	58750 → 8888 [ACK] Seq=1 Ack=1 Win=65535 Len=0 TSval=226125...
30	0.118021	192.168.0.85	192.168.0.248	HTTP	389	GET http://play.googleapis.com/generate_204 HTTP/1.1
31	0.118017	192.168.0.248	192.168.0.85	TCP	66	8888 → 58750 [ACK] Seq=1 Ack=244 Win=131520 Len=0 TSval=728...
32	0.113592	192.168.0.248	play.googleapis.com	TCP	78	57859 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=64 TSval=...
33	0.120348	lax17558-in-f4.1e100.net	192.168.0.248	TCP	66	443 → 57858 [FIN, ACK] Seq=163 Ack=377 Win=261 Len=0 TSval=...
34	0.120423	192.168.0.248	lax17558-in-f4.1e100.net	TCP	66	57858 → 443 [ACK] Seq=377 Ack=164 Win=263 Len=0 TSval=2175...
35	0.120660	192.168.0.248	lax17558-in-f4.1e100.net	TCP	66	57858 → 443 [FIN, ACK] Seq=377 Ack=164 Win=263 Len=0 TSval=...
36	0.156691	lax17558-in-f4.1e100.net	192.168.0.248	TCP	66	443 → 57858 [ACK] Seq=164 Ack=378 Win=261 Len=0 TSval=74341...
37	0.168807	play.googleapis.com	192.168.0.248	TCP	74	88 → 57859 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1412...
38	0.168936	192.168.0.248	play.googleapis.com	TCP	66	57859 → 80 [ACK] Seq=1 Ack=1 Win=131584 Len=0 TSval=2911548...
39	0.169992	192.168.0.248	play.googleapis.com	HTTP	283	GET /generate_204 HTTP/1.1
40	0.195639	192.168.0.248	239.255.255.250	SSDP	218	M-SEARCH * HTTP/1.1
41	0.228596	play.googleapis.com	192.168.0.248	TCP	66	88 → 57859 [ACK] Seq=1 Ack=210 Win=66816 Len=0 TSval=171806...
42	0.228597	play.googleapis.com	192.168.0.248	HTTP	212	HTTP/1.1 204 No Content
43	0.228597	play.googleapis.com	192.168.0.248	TCP	66	88 → 57859 [FIN, ACK] Seq=147 Ack=218 Win=66816 Len=0 TSval=...
44	0.228607	192.168.0.248	play.googleapis.com	TCP	66	57859 → 80 [ACK] Seq=218 Ack=147 Win=131392 Len=0 TSval=291...
45	0.228787	192.168.0.248	play.googleapis.com	TCP	66	57859 → 80 [ACK] Seq=218 Ack=148 Win=131392 Len=0 TSval=291...
46	0.221015	192.168.0.248	192.168.0.85	HTTP	212	HTTP/1.1 204 No Content
47	0.221076	192.168.0.248	play.googleapis.com	TCP	66	57859 → 80 [FIN, ACK] Seq=218 Ack=148 Win=131392 Len=0 TSva...
48	0.221086	192.168.0.248	192.168.0.85	TCP	66	8888 → 58750 [FIN, ACK] Seq=147 Ack=244 Win=131520 Len=0 TS...
49	0.241236	192.168.0.85	192.168.0.248	TCP	66	58750 → 8888 [ACK] Seq=244 Ack=147 Win=67584 Len=0 TSval=22...
50	0.241237	192.168.0.85	192.168.0.248	TCP	66	58750 → 8888 [FIN, ACK] Seq=244 Ack=148 Win=67584 Len=0 TSv...
51	0.241363	192.168.0.248	192.168.0.85	TCP	66	8888 → 58750 [ACK] Seq=148 Ack=245 Win=131520 Len=0 TSval=7...
52	0.279660	play.googleapis.com	192.168.0.248	TCP	66	88 → 57859 [ACK] Seq=148 Ack=219 Win=66816 Len=0 TSval=1718...
53	0.569448	192.168.0.248	https-08-142-187-8.lax1.lnw.net	TCP	66	57645 → 443 [FIN, ACK] Seq=1 Ack=1 Win=29537 Len=0 TSval=339...
64	1.105829	192.168.0.248	lax17544-in-f3.1e100.net	TCP	66	57642 → 80 [FIN, ACK] Seq=1 Ack=1 Win=263 Len=0 TSval=1657...
66	1.106062	192.168.0.248	239.255.255.250	SSDP	218	M-SEARCH * HTTP/1.1
73	1.530143	162.247.241.2	192.168.0.248	TCP	68	443 → 56411 [ACK] Seq=1 Ack=1 Win=0 Len=0

Frame 6: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface en0, id 0  
Ethernet II, Src: Apple\_0b:bb:81:00:65:7c:eb:bb:81, Dst: f2:98:3d:28:93:09 (f2:98:3d:28:93:09)  
Internet Protocol Version 4, Src: 192.168.0.248 (192.168.0.248), Dst: 192.168.0.85 (192.168.0.85)  
Transmission Control Protocol, Src Port: 8888, Dst Port: 58748, Seq: 1, Ack: 510, Len: 6  
Source Port: 8888  
Destination Port: 58748  
Stream Index: 0  
Conversation completeness: Incomplete (60)  
TCP Segment Len: 0  
Sequence Number: 1 (relative sequence number)

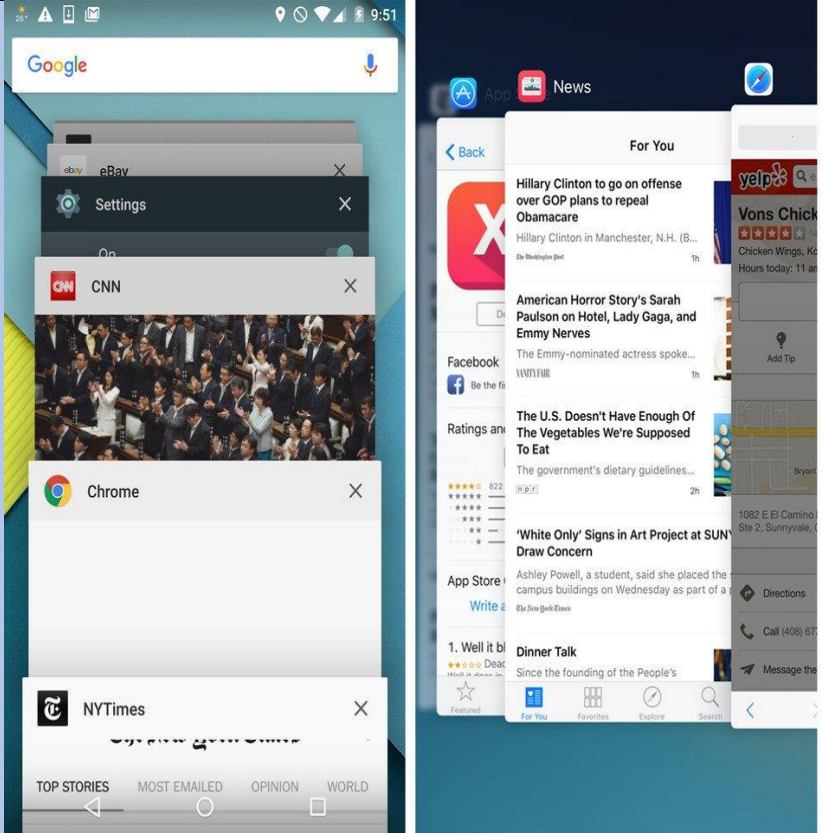
ip.addr==192.168.0.85 or ip.addr==192.168.0.248

No.	Time	Source	Destination	Protocol	Length	Info
324	10.400864	192.168.0.248	192.168.0.85	TCP	66	8888 → 58770 [FIN, ACK] Seq=147 Ack=264 Win=1315...
325	10.401414	192.168.0.248	twc.map.fastly.net	TCP	78	57878 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460
326	10.401697	192.168.0.248	twc.map.fastly.net	TCP	78	57871 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460
327	10.402516	192.168.0.248	twc.map.fastly.net	TCP	78	57872 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460
328	10.403346	192.168.0.248	twc.map.fastly.net	TCP	78	57873 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460
329	10.404229	192.168.0.248	twc.map.fastly.net	TCP	78	57874 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460
330	10.451359	fonts.googleapis.com	192.168.0.248	TCP	74	443 → 57866 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	 <p>On information and belief a second networked information monitor template exist on the Accused Instrumentalities that would obtain content from a URL in a similar manner. Evidence of one or more NIM templates being used to generate apps is seen below.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	 <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>


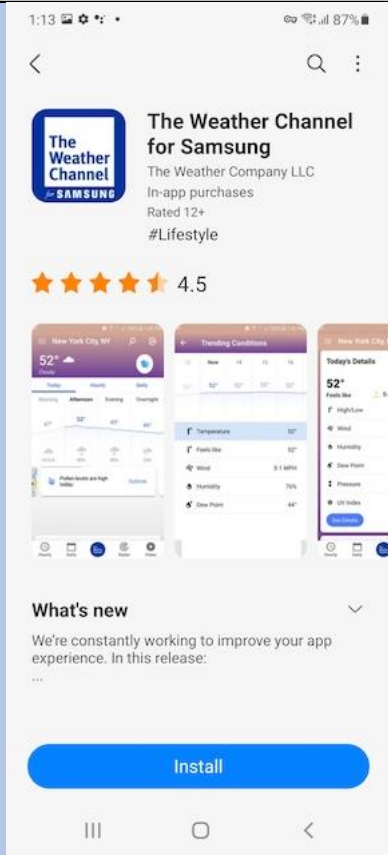
**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>(2) a definition of a graphical user interface of the second networked information monitor that lacks controls for manually navigating a network, and that includes a second frame within which content received from the second network location can be displayed; and</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides a definition of the graphical user interface of the second networked information monitor that lacks control for manually navigating a network (e.g., not a browser), and that includes a second frame within which content received from the second network location can be displayed.</p> <p>In Android development the UI is typically built using "Layouts" which define "Views" which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul style="list-style-type: none"> <li>• "A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of <b>View</b> and <b>ViewGroup</b> objects. A <b>View</b> usually draws something the user can see and interact with."</li> </ul> <p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> <li>• <i>"Declare UI elements in XML. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i></li> </ul> <p><i>You can also use Android Studio's <a href="#">Layout Editor</a> to build your XML layout using a drag-and-drop interface."</i></p> <ul style="list-style-type: none"> <li>• <i>"Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations"</i></li> <li>• <i>"The Android framework gives you the flexibility to use either or both of these methods to build your app's UI. For example, you can declare your app's default layouts in XML, and then modify the layout at runtime."</i></li> </ul>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<ul style="list-style-type: none"> <li>• <i>“Write the XML. Using Android’s XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML”</i></li> </ul> <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
(3) instructions configured (i) to cause the second networked information monitor to request content from the second network location in the second content reference via the TCP/IP protocol, and (ii) to cause the second networked information monitor to generate the graphical user interface of the second networked information monitor with the content	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides instructions configured to cause the second networked information monitor to request content from the second network location in the second content reference via the TCP/IP protocol, and to cause the second networked information monitor to generate the graphical user interface of the second networked information monitor with the content received from the second network location via the TCP/IP protocol within the frame.</p> <p>In the example below the Weather Channel for Samsung app is installed as shown in the image below left. Once installed the app can be opened, which, upon first run, will pop up a request for permission to access location. After granting location permission the app runs and automatically loads the weather for the current location, as shown below. Further on information and belief, content is requested from a network location via TCP/IP protocol.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

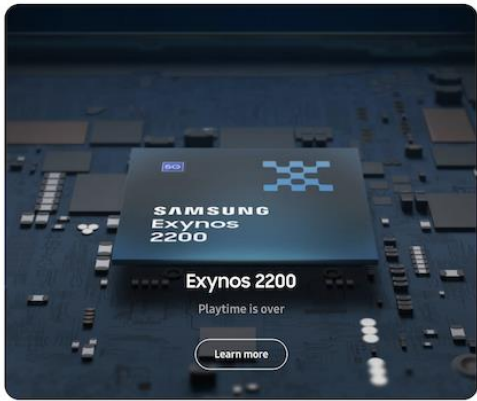
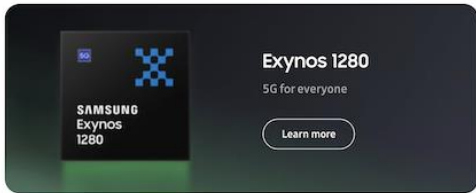





US 8,020,083	Accused Instrumentalities
received from the second network location via the TCP/IP protocol within the frame.	<div></div> <p>f</p> <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities that obtains content from a second location. . Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and</p>



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
	<p>belief, all variations of the Accused Instrumentalities operate in the same infringing manner. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
<p>5. The client device of claim 4, wherein the one or more processors are further configured to execute the second networked information monitor template such that the graphical user interface of the second networked information monitor is presented to the user on the electronic display separately and discretely from the user interface of the first networked information monitor, and having content therein received from</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to execute the second networked information monitor template such that the graphical user interface of the second networked information monitor is presented to the user on the electronic display separately and discretely from the user interface of the first networked information monitor, and having content therein received from the second content reference.</p> <p>Samsung Galaxy Phone processors shown below.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**


US 8,020,083	Accused Instrumentalities																																																
<p>the second content reference.</p>	<div data-bbox="588 243 1570 276"> <span>Processor / Mobile Processor</span> <span>Overview</span> <span>Features</span> <span>Product Finder</span> <span>Applications</span> <span>Related Contents</span> <span>Showcase</span> </div> <div data-bbox="911 284 1251 316"> <h3>Latest Mobile Processors</h3> </div> <div data-bbox="598 354 1560 751"> <div data-bbox="598 354 1071 751">  <p><b>SAMSUNG Exynos 2200</b></p> <p>Exynos 2200</p> <p>Playtime is over</p> <p><a href="#">Learn more</a></p> </div> <div data-bbox="1087 354 1560 544">  <p><b>SAMSUNG Exynos 1280</b></p> <p>Exynos 1280</p> <p>5G for everyone</p> <p><a href="#">Learn more</a></p> </div> <div data-bbox="1087 560 1560 751">  <p><b>SAMSUNG Exynos 850</b></p> <p>Exynos 850</p> <p>A versatile processor you can trust</p> <p><a href="#">Learn more</a></p> </div> </div> <div data-bbox="588 784 1570 1242"> <div data-bbox="588 784 823 1242">  <p><b>Exynos 2200</b></p> <table border="1"> <tr> <td>Category</td> <td>Part Number</td> </tr> <tr> <td>Mobile</td> <td>S5E9925</td> </tr> <tr> <td>Model</td> <td>Process</td> </tr> <tr> <td>Exynos 2200</td> <td>4nm</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main)</td> </tr> <tr> <td>Octa</td> <td>Single-core (Cortex-X2)</td> </tr> </table> <p><a href="#">Learn more</a></p> <p><a href="#">Compare</a></p> </div> <div data-bbox="840 784 1062 1242">  <p><b>Exynos 1280</b></p> <table border="1"> <tr> <td>Category</td> <td>Part Number</td> </tr> <tr> <td>Mobile</td> <td>S5E8825</td> </tr> <tr> <td>Model</td> <td>Process</td> </tr> <tr> <td>Exynos 1280</td> <td>5nm</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main)</td> </tr> <tr> <td>Octa</td> <td>Dual-core (Cortex-A78)</td> </tr> </table> <p><a href="#">Learn more</a></p> <p><a href="#">Compare</a></p> </div> <div data-bbox="1079 784 1302 1242">  <p><b>Exynos 2100</b></p> <table border="1"> <tr> <td>Category</td> <td>Part Number</td> </tr> <tr> <td>Mobile</td> <td>S5E9840</td> </tr> <tr> <td>Model</td> <td>Process</td> </tr> <tr> <td>Exynos 2100</td> <td>5nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main)</td> </tr> <tr> <td>Octa</td> <td>2.9GHz single-core (Cortex-X1)</td> </tr> </table> <p><a href="#">Learn more</a></p> <p><a href="#">Compare</a></p> </div> <div data-bbox="1318 784 1570 1242">  <p><b>Exynos 1080</b></p> <table border="1"> <tr> <td>Category</td> <td>Part Number</td> </tr> <tr> <td>Mobile</td> <td>S5E9615</td> </tr> <tr> <td>Model</td> <td>Process</td> </tr> <tr> <td>Exynos 1080</td> <td>5nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main)</td> </tr> <tr> <td>Octa</td> <td>2.8GHz Dual-core (Cortex-A78)</td> </tr> </table> <p><a href="#">Learn more</a></p> <p><a href="#">Compare</a></p> </div> </div>	Category	Part Number	Mobile	S5E9925	Model	Process	Exynos 2200	4nm	Multi-core	CPU (Main)	Octa	Single-core (Cortex-X2)	Category	Part Number	Mobile	S5E8825	Model	Process	Exynos 1280	5nm	Multi-core	CPU (Main)	Octa	Dual-core (Cortex-A78)	Category	Part Number	Mobile	S5E9840	Model	Process	Exynos 2100	5nm FinFET	Multi-core	CPU (Main)	Octa	2.9GHz single-core (Cortex-X1)	Category	Part Number	Mobile	S5E9615	Model	Process	Exynos 1080	5nm FinFET	Multi-core	CPU (Main)	Octa	2.8GHz Dual-core (Cortex-A78)
Category	Part Number																																																
Mobile	S5E9925																																																
Model	Process																																																
Exynos 2200	4nm																																																
Multi-core	CPU (Main)																																																
Octa	Single-core (Cortex-X2)																																																
Category	Part Number																																																
Mobile	S5E8825																																																
Model	Process																																																
Exynos 1280	5nm																																																
Multi-core	CPU (Main)																																																
Octa	Dual-core (Cortex-A78)																																																
Category	Part Number																																																
Mobile	S5E9840																																																
Model	Process																																																
Exynos 2100	5nm FinFET																																																
Multi-core	CPU (Main)																																																
Octa	2.9GHz single-core (Cortex-X1)																																																
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Mobile	S5E9615																																																
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Exynos 1080	5nm FinFET																																																
Multi-core	CPU (Main)																																																
Octa	2.8GHz Dual-core (Cortex-A78)																																																



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




**Exynos 880**

Category	Part Number
Mobile	S5E880S
Model	Process
Exynos 880	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.8GHz Dual

[Learn more](#)

[Compare](#)




**Exynos 850**

Category	Part Number
Mobile	S5E850
Model	Process
Exynos 850	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A55

[Learn more](#)

[Compare](#)




**Exynos 990**

Category	Part Number
Mobile	S5E990
Model	Process
Exynos 990	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 980**

Category	Part Number
Mobile	S5E980
Model	Process
Exynos 980	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.8GHz Dual

[Learn more](#)

[Compare](#)




**Exynos 9825**

Category	Part Number
Mobile	S5E9825
Model	Process
Exynos 9825	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9820**

Category	Part Number
Mobile	S5E9820
Model	Process
Exynos 9820	8nm LPP FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9611**

Category	Part Number
Mobile	S5E9611
Model	Process
Exynos 9611	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

[Learn more](#)

[Compare](#)



**Exynos 9610**

Category	Part Number
Mobile	S5E9610
Model	Process
Exynos 9610	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad


[Learn more](#)

[Compare](#)

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




**Exynos 9609**

Category	Part Number
Mobile	S5E9609
Model	Exynos 9609
Process	10nm FinFET
Multi-core	CPU (Main) Cortex®-A73 2.2GHz
Octa	Quad

[Learn more](#)

[Compare](#)




**Exynos 7904**

Category	Part Number
Mobile	S5E7904
Model	Exynos 7904
Process	14nm FinFET
Multi-core	CPU (Main) Cortex®-A73 1.8GHz
Octa	Dual

[Learn more](#)

[Compare](#)




**Exynos 7884**

Category	Part Number
Mobile	S5E7885
Model	Exynos 7884
Process	14nm FinFET
Multi-core	CPU (Main) Cortex®-A73 1.6GHz
Octa	Dual

[Learn more](#)

[Compare](#)




**Exynos 9810**

Category	Part Number
Mobile	S5E9810
Model	Exynos 9810
Process	10nm FinFET
Multi-core	CPU (Main) Custom CPU 2.9GHz
Octa	Quad

[Learn more](#)

[Compare](#)




**Exynos 9825**

Category	Part Number
Mobile	S5E9825
Model	Exynos 9825
Process	7nm FinFET
Multi-core	CPU (Main) Custom CPU Dual
Octa	

[Learn more](#)

[Compare](#)




**Exynos 9820**

Category	Part Number
Mobile	S5E9820
Model	Exynos 9820
Process	8nm LPP FinFET
Multi-core	CPU (Main) Custom CPU Dual
Octa	

[Learn more](#)

[Compare](#)




**Exynos 9611**

Category	Part Number
Mobile	S5E9611
Model	Exynos 9611
Process	10nm FinFET
Multi-core	CPU (Main) Cortex®-A73 2.3GHz
Octa	Quad

[Learn more](#)

[Compare](#)



**Exynos 9610**

Category	Part Number
Mobile	S5E9610
Model	Exynos 9610
Process	10nm FinFET
Multi-core	CPU (Main) Cortex®-A73 2.3GHz
Octa	Quad

[Learn more](#)

[Compare](#)

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083






US 8,020,083	Accused Instrumentalities
	<div><div><div><div></div><div>Exynos 9609</div><div><div><div>Category</div><div>Mobile</div></div><div><div>Part Number</div><div>55E9609</div></div><div><div>Model</div><div>Exynos 9609</div></div><div><div>Process</div><div>10nm FinFET</div></div><div><div>Multi-core</div><div>CPU (Main) Octa Cortex®-A73 2.2GHz Quad</div></div></div><div><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 7904</div><div><div><div>Category</div><div>Mobile</div></div><div><div>Part Number</div><div>55E7904</div></div><div><div>Model</div><div>Exynos 7904</div></div><div><div>Process</div><div>14nm FinFET</div></div><div><div>Multi-core</div><div>CPU (Main) Octa Cortex®-A73 1.8GHz Dual</div></div></div><div><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 7884</div><div><div><div>Category</div><div>Mobile</div></div><div><div>Part Number</div><div>55E7885</div></div><div><div>Model</div><div>Exynos 7884</div></div><div><div>Process</div><div>14nm FinFET</div></div><div><div>Multi-core</div><div>CPU (Main) Octa Cortex®-A73 1.6GHz Dual</div></div></div><div><div>Learn more</div><div>Compare</div></div></div><div><div><div><div></div><div>Exynos 9810</div><div><div><div>Category</div><div>Mobile</div></div><div><div>Part Number</div><div>55E9810</div></div><div><div>Model</div><div>Exynos 9810</div></div><div><div>Process</div><div>10nm FinFET</div></div><div><div>Multi-core</div><div>CPU (Main) Octa Custom CPU 2.9GHz Quad</div></div></div><div><div>Learn more</div><div>Compare</div></div></div></div></div></div></div></div></div></div></div>
	<p>References:</p> <ul style="list-style-type: none"><li>• <a href="https://en.wikipedia.org/wiki/Samsung_Galaxy_S20">https://en.wikipedia.org/wiki/Samsung_Galaxy_S20</a></li><li>• <a href="https://semiconductor.samsung.com/processor/mobile-processor/">https://semiconductor.samsung.com/processor/mobile-processor/</a></li><li>• <a href="https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices">https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices</a></li></ul> <p>The below example is a GUI of the first NIM (Weather Channel App) presented on the electronic display.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div data-bbox="583 240 968 1089"></div> <p data-bbox="583 1138 1913 1391">On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

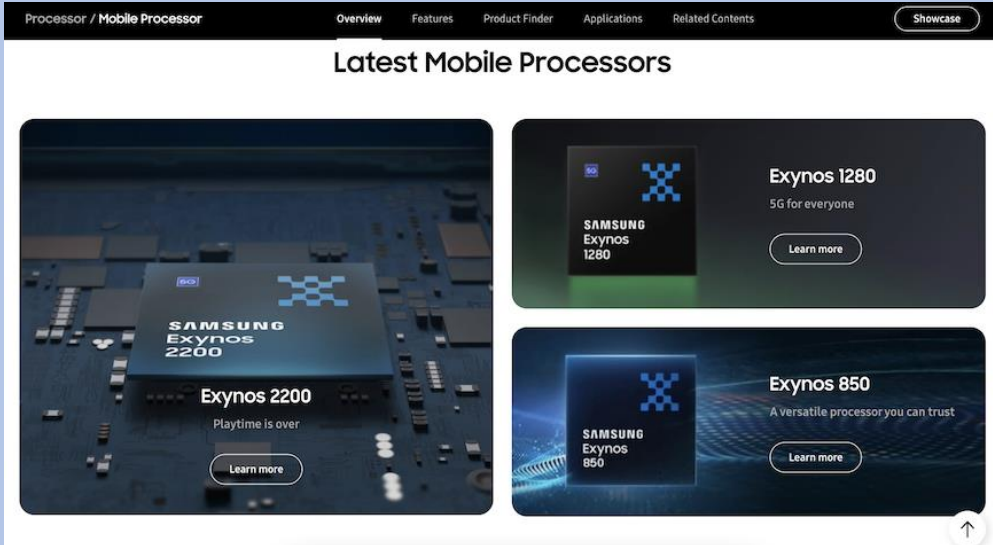

US 8,020,083	Accused Instrumentalities
<p>6. The client device of claim 1, wherein the one or more processors are further configured to transmit a request to a server for a further networked information monitor template responsive to reception of a user request for a further networked information monitor defined by the further networked information monitor template.</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to transmit a request to a server for a further networked information monitor template responsive to reception of a user request for a further networked information monitor defined by the further networked information monitor template.</p> <p>Current Galaxy Phone processors are shown below.</p> 

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083

Accused Instrumentalities




SAMSUNG  
Exynos

Exynos 2200

Category	Part Number
Mobile	S5E9925
Model	Process
Exynos 2200	4nm
Multi-core	CPU (Main)
Octa	Single-core (Cortex®-X2)

Learn more

Compare




SAMSUNG  
Exynos

Exynos 1280

Category	Part Number
Mobile	S5E8825
Model	Process
Exynos 1280	5nm
Multi-core	CPU (Main)
Octa	Dual-core (Cortex®-A78)

Learn more

Compare




SAMSUNG  
Exynos

Exynos 2100

Category	Part Number
Mobile	S5E9840
Model	Process
Exynos 2100	5nm FinFET
Multi-core	CPU (Main)
Octa	2.9GHz Single-core (Cortex®-X1)

Learn more

Compare




SAMSUNG  
Exynos

Exynos 1080

Category	Part Number
Mobile	S5E9815
Model	Process
Exynos 1080	5nm FinFET
Multi-core	CPU (Main)
Octa	2.8GHz dual-core (Cortex®-A78)

Learn more

Compare




SAMSUNG  
Exynos

Exynos 880

Category	Part Number
Mobile	S5E8805
Model	Process
Exynos 880	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.0GHz Dual

Learn more

Compare




SAMSUNG  
Exynos

Exynos 850

Category	Part Number
Mobile	S5E8830
Model	Process
Exynos 850	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A55

Learn more

Compare




SAMSUNG  
Exynos

Exynos 990

Category	Part Number
Mobile	S5E9830
Model	Process
Exynos 990	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

Learn more

Compare



SAMSUNG  
Exynos

Exynos 980

Category	Part Number
Mobile	S5E9630
Model	Process
Exynos 980	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.2GHz Dual


Learn more

Compare

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




**Exynos 9825**

Category	Part Number
Mobile	S5E9825
Model	Process
Exynos 9825	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9820**

Category	Part Number
Mobile	S5E9820
Model	Process
Exynos 9820	8nm LPP FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)




**Exynos 9611**

Category	Part Number
Mobile	S5E9611
Model	Process
Exynos 9611	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

[Learn more](#)

[Compare](#)




**Exynos 9610**

Category	Part Number
Mobile	S5E9610
Model	Process
Exynos 9610	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

[Learn more](#)

[Compare](#)




**Exynos 9609**

Category	Part Number
Mobile	S5E9609
Model	Process
Exynos 9609	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.2GHz Quad

[Learn more](#)

[Compare](#)




**Exynos 7904**

Category	Part Number
Mobile	S5E7904
Model	Process
Exynos 7904	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.8GHz Dual

[Learn more](#)

[Compare](#)




**Exynos 7884**

Category	Part Number
Mobile	S5E7885
Model	Process
Exynos 7884	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.6GHz Dual

[Learn more](#)

[Compare](#)











**Exynos 9810**

Category	Part Number
Mobile	S5E9810
Model	Process
Exynos 9810	10nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU 2.9GHz Quad

[Learn more](#)

[Compare](#)

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities																																																																																
	<div><div><div><div><div></div><div>Exynos 9825</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9825</td></tr><tr><td>Model</td><td>Exynos 9825</td></tr><tr><td>Process</td><td>7nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Custom CPU Dual</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 9820</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9820</td></tr><tr><td>Model</td><td>Exynos 9820</td></tr><tr><td>Process</td><td>8nm LP FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Custom CPU Dual</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 9611</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9611</td></tr><tr><td>Model</td><td>Exynos 9611</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 2.3GHz Quad</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 9610</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9610</td></tr><tr><td>Model</td><td>Exynos 9610</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 2.3GHz Quad</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 9609</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9609</td></tr><tr><td>Model</td><td>Exynos 9609</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 2.2GHz Quad</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 7904</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E7904</td></tr><tr><td>Model</td><td>Exynos 7904</td></tr><tr><td>Process</td><td>14nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 1.8GHz Dual</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 7884</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E7885</td></tr><tr><td>Model</td><td>Exynos 7884</td></tr><tr><td>Process</td><td>14nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Cortex®-A73 1.6GHz Dual</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div><div><div><div><div><div></div><div>Exynos 9810</div><div><table><tr><td>Category</td><td>Part Number</td></tr><tr><td>Mobile</td><td>S5E9810</td></tr><tr><td>Model</td><td>Exynos 9810</td></tr><tr><td>Process</td><td>10nm FinFET</td></tr><tr><td>Multi-core</td><td>CPU (Main) Custom CPU 2.9GHz Quad</td></tr></table></div><div><div>Learn more</div><div>Compare</div></div></div></div></div></div><div>References:</div><div><ul style="list-style-type: none"><li>• <a href="https://en.wikipedia.org/wiki/Samsung_Galaxy_S20">https://en.wikipedia.org/wiki/Samsung_Galaxy_S20</a></li><li>• <a href="https://semiconductor.samsung.com/processor/mobile-processor/">https://semiconductor.samsung.com/processor/mobile-processor/</a></li></ul></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>	Category	Part Number	Mobile	S5E9825	Model	Exynos 9825	Process	7nm FinFET	Multi-core	CPU (Main) Custom CPU Dual	Category	Part Number	Mobile	S5E9820	Model	Exynos 9820	Process	8nm LP FinFET	Multi-core	CPU (Main) Custom CPU Dual	Category	Part Number	Mobile	S5E9611	Model	Exynos 9611	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.3GHz Quad	Category	Part Number	Mobile	S5E9610	Model	Exynos 9610	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.3GHz Quad	Category	Part Number	Mobile	S5E9609	Model	Exynos 9609	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.2GHz Quad	Category	Part Number	Mobile	S5E7904	Model	Exynos 7904	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.8GHz Dual	Category	Part Number	Mobile	S5E7885	Model	Exynos 7884	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.6GHz Dual	Category	Part Number	Mobile	S5E9810	Model	Exynos 9810	Process	10nm FinFET	Multi-core	CPU (Main) Custom CPU 2.9GHz Quad
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**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**


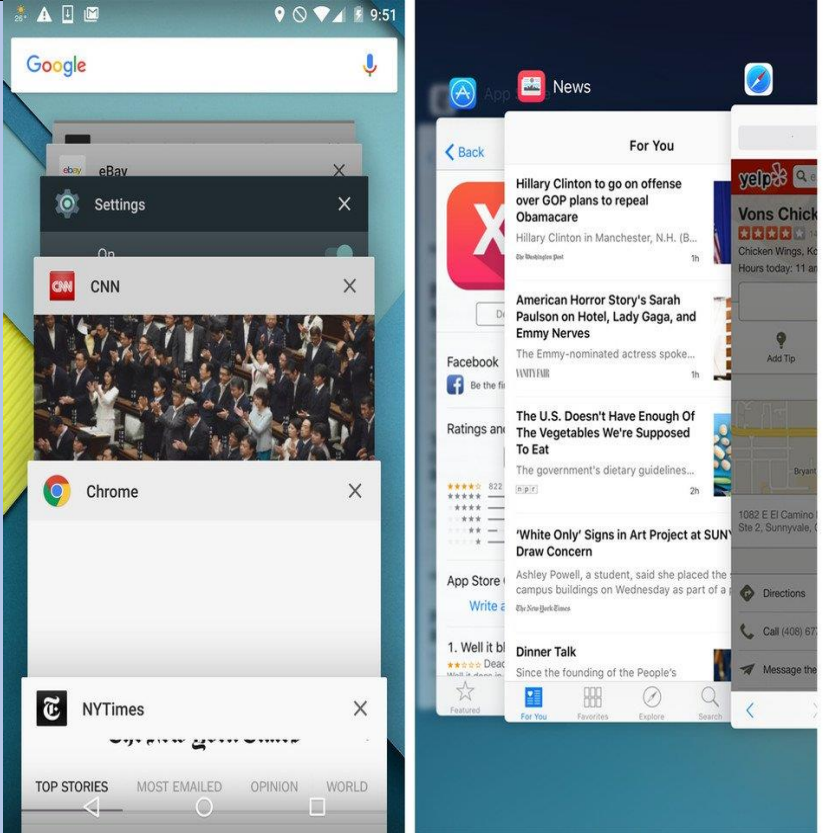
US 8,020,083	Accused Instrumentalities
	<ul style="list-style-type: none"><li data-bbox="632 248 1640 280">• <a href="https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices">https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices</a></li></ul> <p data-bbox="583 289 1709 326">In the example below, are views of Galaxy phones with multiple apps available.</p> <div data-bbox="680 326 1428 626"></div> <p data-bbox="583 675 1661 756">Source: CNET: "Here's every Galaxy S phone since 2010" accessed at (<a href="https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/">https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/</a>)</p> <p data-bbox="583 805 1871 984">On information and belief a the processors are configured such that p they can transmit a request to a server for a further networked information monitor template responsive to reception of a user request. Evidence of this is seen in the fact that multiple apps can run on the phone as seen below.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<div data-bbox="840 240 1661 1068"></div> <p data-bbox="573 1166 1932 1344">Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>7. The client device of claim 6, wherein the electronic storage is configured to electronically store the received further networked information monitor template, responsive to reception of the further networked information monitor template from the server.</p>	<p>On information and belief, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the electronic storage is configured to electronically store the received further networked information monitor template, responsive to reception of the further networked information monitor template from the server. Electronic storage can be reviewed in the device settings under (Battery and Device Care → Storage) as shown below. The overall storage is listed as well as that of specific network information monitors. This shows that the device can be configured to store NIM Templates.</p> <p>On information and belief that there are instances built into the structure of the Android System where all accused devices are configured to electronically store the NIM template responsive to the reception of the further NIM template from the server.</p>

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

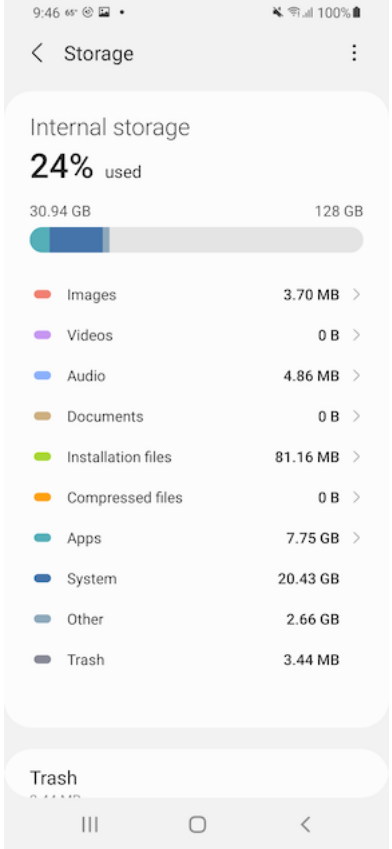
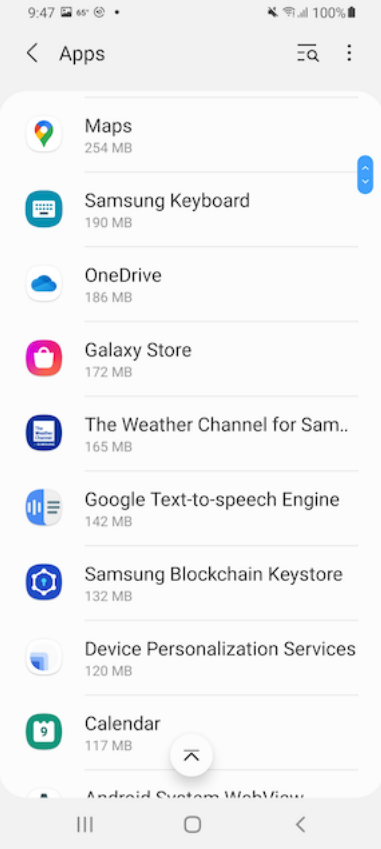
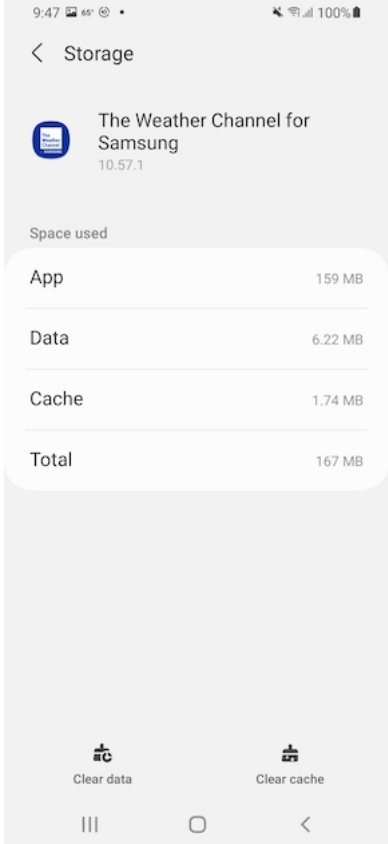
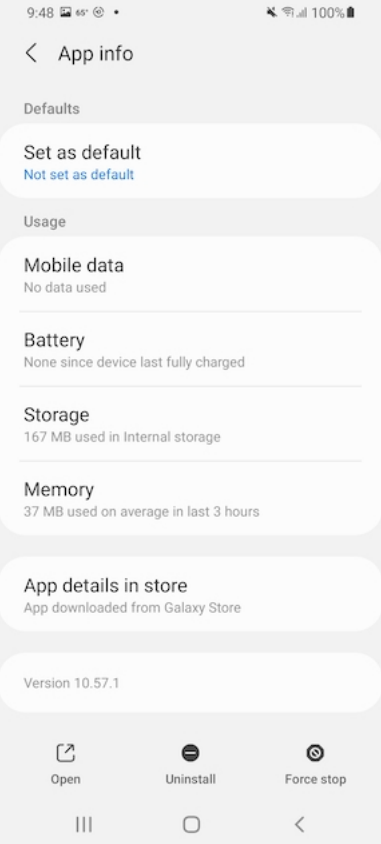
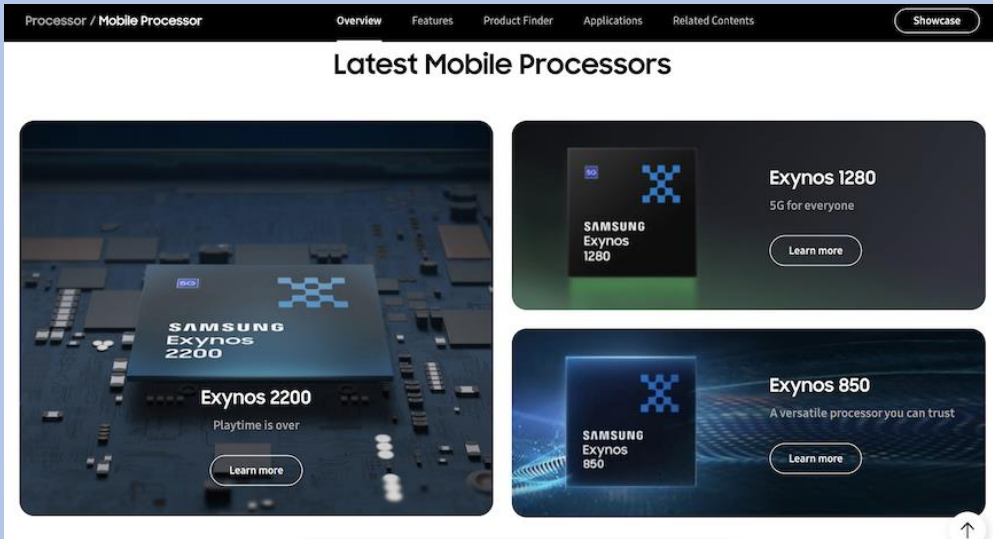
US 8,020,083	Accused Instrumentalities	
		

Exhibit B : Best Buy’s Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities	
		 <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>


**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities
<p>8. The client device of claim 7, wherein the one or more processors are further configured to execute the further networked information monitor template.</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to execute the further networked information monitor. Current Galaxy Phone processors are shown below.</p> 

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




Exynos 2200

Category	Part Number
Mobile	S5E9925
Model	Process
Exynos 2200	4nm
Multi-core	CPU (Main)
Octa	Single-core (Cortex®-X2)

[Learn more](#)

[Compare](#)




Exynos 1280

Category	Part Number
Mobile	S5E8825
Model	Process
Exynos 1280	5nm
Multi-core	CPU (Main)
Octa	Dual-core (Cortex®-A78)

[Learn more](#)

[Compare](#)




Exynos 2100

Category	Part Number
Mobile	S5E9840
Model	Process
Exynos 2100	5nm FinFET
Multi-core	CPU (Main)
Octa	2.9GHz Single-core (Cortex®-X1)

[Learn more](#)

[Compare](#)




Exynos 1080

Category	Part Number
Mobile	S5E9815
Model	Process
Exynos 1080	5nm FinFET
Multi-core	CPU (Main)
Octa	2.8GHz Dual-core (Cortex®-A78)

[Learn more](#)

[Compare](#)




Exynos 880

Category	Part Number
Mobile	S5E8805
Model	Process
Exynos 880	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.0GHz Dual

[Learn more](#)

[Compare](#)




Exynos 850

Category	Part Number
Mobile	S5E8830
Model	Process
Exynos 850	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A55

[Learn more](#)

[Compare](#)




Exynos 990

Category	Part Number
Mobile	S5E9830
Model	Process
Exynos 990	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

[Learn more](#)

[Compare](#)



Exynos 980

Category	Part Number
Mobile	S5E9630
Model	Process
Exynos 980	8nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A77 2.2GHz Dual


[Learn more](#)

[Compare](#)

**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083

Accused Instrumentalities




Exynos 9825

Category	Part Number
Mobile	S5E9825
Model	Process
Exynos 9825	7nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

Learn more

Compare




Exynos 9820

Category	Part Number
Mobile	S5E9820
Model	Process
Exynos 9820	8nm LPP FinFET
Multi-core	CPU (Main)
Octa	Custom CPU Dual

Learn more

Compare




Exynos 9611

Category	Part Number
Mobile	S5E9611
Model	Process
Exynos 9611	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

Learn more

Compare




Exynos 9610

Category	Part Number
Mobile	S5E9610
Model	Process
Exynos 9610	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.3GHz Quad

Learn more

Compare




Exynos 9609

Category	Part Number
Mobile	S5E9609
Model	Process
Exynos 9609	10nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 2.2GHz Quad

Learn more

Compare




Exynos 7904

Category	Part Number
Mobile	S5E7904
Model	Process
Exynos 7904	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.8GHz Dual

Learn more

Compare




Exynos 7884

Category	Part Number
Mobile	S5E7885
Model	Process
Exynos 7884	14nm FinFET
Multi-core	CPU (Main)
Octa	Cortex®-A73 1.6GHz Dual

Learn more

Compare



Exynos 9810

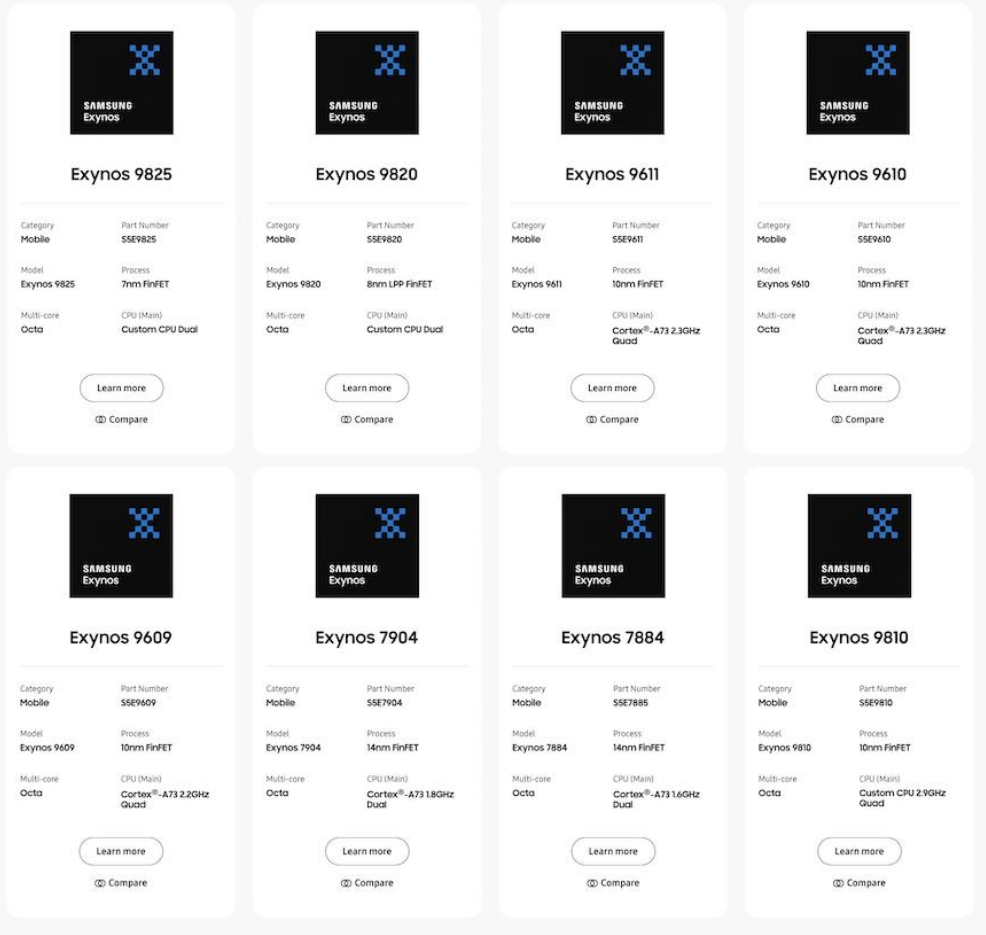
Category	Part Number
Mobile	S5E9810
Model	Process
Exynos 9810	10nm FinFET
Multi-core	CPU (Main)
Octa	Custom CPU 2.9GHz Quad

Learn more

Compare



**Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083**

US 8,020,083	Accused Instrumentalities																																																																																
	<div data-bbox="590 253 1570 1183">  <p>The screenshot displays eight Samsung Exynos mobile processor product pages arranged in a 2x4 grid. Each page includes the Samsung Exynos logo, the processor model name, and a table of specifications. The specifications table for each processor is as follows:</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9825</td> </tr> <tr> <td>Model</td> <td>Exynos 9825</td> </tr> <tr> <td>Process</td> <td>7nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Custom CPU Dual</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9820</td> </tr> <tr> <td>Model</td> <td>Exynos 9820</td> </tr> <tr> <td>Process</td> <td>8nm LP FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Custom CPU Dual</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9611</td> </tr> <tr> <td>Model</td> <td>Exynos 9611</td> </tr> <tr> <td>Process</td> <td>10nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Cortex®-A73 2.3GHz Quad</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9610</td> </tr> <tr> <td>Model</td> <td>Exynos 9610</td> </tr> <tr> <td>Process</td> <td>10nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Cortex®-A73 2.3GHz Quad</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9609</td> </tr> <tr> <td>Model</td> <td>Exynos 9609</td> </tr> <tr> <td>Process</td> <td>10nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Cortex®-A73 2.2GHz Quad</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E7904</td> </tr> <tr> <td>Model</td> <td>Exynos 7904</td> </tr> <tr> <td>Process</td> <td>14nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Cortex®-A73 1.8GHz Dual</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E7885</td> </tr> <tr> <td>Model</td> <td>Exynos 7884</td> </tr> <tr> <td>Process</td> <td>14nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Cortex®-A73 1.6GHz Dual</td> </tr> </tbody> </table>   <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9810</td> </tr> <tr> <td>Model</td> <td>Exynos 9810</td> </tr> <tr> <td>Process</td> <td>10nm FinFET</td> </tr> <tr> <td>Multi-core</td> <td>CPU (Main) Custom CPU 2.9GHz Quad</td> </tr> </tbody> </table> </div> <p data-bbox="583 1279 745 1307">References:</p> <ul data-bbox="636 1320 1602 1396" style="list-style-type: none"> <li>• <a href="https://en.wikipedia.org/wiki/Samsung_Galaxy_S20">https://en.wikipedia.org/wiki/Samsung_Galaxy_S20</a></li> <li>• <a href="https://semiconductor.samsung.com/processor/mobile-processor/">https://semiconductor.samsung.com/processor/mobile-processor/</a></li> </ul>	Category	Part Number	Mobile	S5E9825	Model	Exynos 9825	Process	7nm FinFET	Multi-core	CPU (Main) Custom CPU Dual	Category	Part Number	Mobile	S5E9820	Model	Exynos 9820	Process	8nm LP FinFET	Multi-core	CPU (Main) Custom CPU Dual	Category	Part Number	Mobile	S5E9611	Model	Exynos 9611	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.3GHz Quad	Category	Part Number	Mobile	S5E9610	Model	Exynos 9610	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.3GHz Quad	Category	Part Number	Mobile	S5E9609	Model	Exynos 9609	Process	10nm FinFET	Multi-core	CPU (Main) Cortex®-A73 2.2GHz Quad	Category	Part Number	Mobile	S5E7904	Model	Exynos 7904	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.8GHz Dual	Category	Part Number	Mobile	S5E7885	Model	Exynos 7884	Process	14nm FinFET	Multi-core	CPU (Main) Cortex®-A73 1.6GHz Dual	Category	Part Number	Mobile	S5E9810	Model	Exynos 9810	Process	10nm FinFET	Multi-core	CPU (Main) Custom CPU 2.9GHz Quad
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